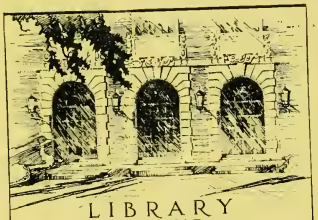
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Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., JANUARY, 1940 No. 1

GENERAL SUMMARY.

Very cold weather, with much less than the normal precipitation, prevailed during most of the month. There were only a few days with temperatures above normal, or when weather conditions were favorable for stripping and marketing tobacco. At other times this work was made difficult and was considerably delayed by the relative dryness and extreme cold. Snow cover that lingered from the preceding month furnished sufficient protection for winter grains through the severe weather of the first week. Most of this snow disappeared with the rising temperature of the second decade. The rain that followed the melting of the snow saturated the top soil and produced some run-off that filled small streams. Freezes that occurred while the upper soil layers were very wet and fields were bare caused some lifting, but this freezing and thawing lasted only a few days and brought no important injury to grains. After the 17th light to moderate snow cover was available in central and western districts and heavy snow in the southeastern counties. This protection was highly favorable to winter grains because it persisted throughout the period of sub-zero weather in the last half of the month.

Before the rain near the middle of the month water supplies for livestock remained scanty and freezing increased the inconvenience in providing for animals. After the mid-month thaw water was more plentiful, but freezing of shallow ponds and pools continued to reduce available water supplies in the uplands. There was some loss of young livestock, due to the severe cold. Milk and egg production were adversely affected. Snow that hardened into ice on the hill roads caused traffic hazards that lasted for an unusual length of time. The slippery condition of country roads, especially in the coldest periods, was partly responsible for reduced deliveries of tobacco to local markets.

TEMPERATURE.

The mean temperature for the month was only about 0.5° higher than the record low temperature for January, 1918. Except for one short interval, 11-14th, temperatures were continuously below normal. Daily deficiencies in the periods 1st-9th and 17th-31st ranged from 10° to 35°. Zero temperatures or somewhat lower occurred generally in three periods, viz., 5-6th, 18-19th, and 25-27th. At most central and eastern stations the coldest day was the 19th, with minima of −10° to −20°. At some western and southern stations the lowest temperature occurred on the 26th, with readings of −6° to −17°. Extremes for the State were 61° on the 14th at Williamsburg and −20° on the 19th at Shelbyville.

PRECIPITATION.

Precipitation averaged considerably less than half the normal amount. In the western counties it ranged between 2.0 and 3.5 inches. In the central and eastern divisions only a few stations reported as much as 2.0 inches. In most of that section it ranged between 1.3 and 1.7 inches. A few extreme northern localities received less than 1.0 inch. For the State amounts varied between 0.58 inch at Carrollton and 3.44 inches at Mayfield. Light to moderate rain occurred in the period 11-14th in central and eastern districts, and moderate to heavy rain in the western counties. Most of the rain fell on the 14th. All other precipitation occurred as snow. Light snow fell on the 1st, 4th, 7-8th, 10th, 18th, 23d, and 29-30th. The total snowfall ranged from 6.0 inches in the south-central counties to 17.0 inches in the central bluegrass region. Monthly amounts of snow as great as 10 inches were reported from all except the south central part of the State. Thunder was heard at some western stations on the 13th.

MISCELLANEOUS.

Rivers.—Stages became very low toward the end of the month. Navigation on the Ohio River between Cincinnati and Louisville was closed by ice on January 5th. Thawing and rain in the period 11-14th broke up this ice condition and permitted resumption of traffic on the 15th. It was closed again by freezing on the 19th, and the river remained frozen over nearly everywhere as far down as Paducah until the end of the month.

Errata.—December, 1939, page 46: Greensburg, lowest temperature should be 11 on the 22d. Annville, greatest 24-hour amount should be 0.88.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo .....Ill.	30.23	30.62	25	29.28	14	8.4	37	sw.	14	82	69	68	52
Cincinnati .....Ohio	30.17	30.55	9	29.25	14	8.8	38	sw.	9	80	68	71	46
Evansville..... Ind.	30.21	30.58	25	29.21	14	9.0	35	sw.	14	85	72	72	47
Louisville .....Ky.	30.18	30.53	9	29.25	14	9.2	45	sw.	14	88	70	74	44

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Mean.*	Highest.	Lowest.	Precipitation Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	38.0	65	13	3.52	....	..	..	..	..
1890	44.0	77	10	6.43	....	..	..	..	..
1891	37.0	68	14	5.40	....	..	..	..	..
1892	29.0	65	− 6	2.72	....	..	..	..	..
1893	26.0	67	−22	2.08	....	..	..	..	..
1894	38.0	78	−12	2.91	....	..	..	..	..
1895	30.0	78	−16	5.71	....	11	8	8	15
1896	36.1	74	− 3	1.25	....	6	9	7	15
1897	32.0	75	−16	3.25	4.2	8	11	8	12
1898	40.4	72	6	8.76	1.4	12	8	8	15
1899	34.4	68	−18	6.23	8.5	11	9	8	14
1900	37.2	77	− 8	2.80	0.9	8	12	8	11
1901	36.7	75	4	1.85	0.8	7	12	7	12
1902	33.7	70	5	5.14	2.3	7	14	5	12
1903	34.8	82	− 9	2.50	2.8	9	11	6	14
1904	32.3	70	− 9	3.17	2.5	10	13	5	13
1905	27.5	70	−15	2.83	12.8	11	10	5	16
1906	39.7	80	− 9	3.48	3.1	8	11	6	14
1907	43.2	83	−11	8.02	4.8	14	7	6	18
1908	35.0	62	7	2.20	1.0	8	13	5	13
1909	38.3	77	− 8	3.47	5.7	9	8	6	20
1910	33.8	70	−20	4.41	11.0	10	9	5	17
1911	39.7	73	−16	2.88	4.4	11	7	4	20
1912	25.9	61	−20	3.09	11.7	8	13	4	14
1913	42.5	76	13	11.41	1.4	14	8	6	17
1914	39.4	79	5	2.31	1.0	6	9	7	15
1915	33.0	65	0	5.03	7.0	13	8	7	16
1916	41.2	78	− 5	7.27	3.7	14	9	6	16
1917	36.7	74	−17	6.38	12.0	12	8	8	15
1918	20.6	62	−20	5.09	23.3	14	9	7	15
1919	37.9	68	− 1	3.62	1.6	7	16	6	9
1920	33.4	72	− 6	6.75	0.7	10	10	6	15
1921	39.7	71	12	3.06	4.0	10	10	7	14
1922	34.6	67	1	2.25	1.1	8	12	7	12
1923	41.0	68	11	6.11	T.	12	8	6	17
1924	31.3	66	− 8	5.05	1.2	9	15	5	11
1925	35.8	66	− 9	2.60	4.1	10	12	6	13
1926	34.4	69	−11	4.01	7.1	10	12	5	14
1927	35.8	76	− 3	6.33	2.2	12	9	6	16
1928	35.0	76	− 8	2.47	1.9	8	14	7	10
1929	34.8	76	− 6	4.54	1.8	13	9	7	15
1930	34.6	75	−20	4.85	3.8	13	11	5	15
1931	37.7	72	− 9	1.23	2.3	6	13	5	13
1932	44.9	80	14	8.13	0.2	14	11	5	15
1933	43.9	74	10	5.18	0.1	12	12	8	11
1934	40.4	72	− 3	1.85	0.2	8	11	6	14
1935	37.3	71	− 2	5.28	3.4	9	11	6	14
1936	29.4	68	−25	2.99	6.2	11	10	7	14
1937	43.6	76	13	15.77	2.0	17	4	4	23
1938	35.9	72	− 4	3.56	1.6	9	12	5	14
1939	40.4	74	11	5.56	2.1	11	8	5	18
1940	21.1	61	−20	1.67	8.6	10	11	6	14
Period	35.8	83	−25	4.49	4.1	10	11	6	14

*52 year averages.

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Climatological Data for January, 1940.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	20.0	−15.6	54	14	−17	26	42	1.74	−2.53	0.85	7.8	10	7	6	18	w.	Eldred G. Young.
Calhoun	McLean	437	36	20.2	−16.9	53	14	−12	19	40	2.26	−2.70	1.33	10.0	10	12	4	15	.....	R. C. Bennett.
Earlington	Hopkins	420	46	21.2	−14.0	52	15	−10	19†	33	2.60	−2.44	1.33	9.8	6	15	4	12	nw.	Brick Southworth.
Fords Ferry, Dam 56	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	2.49	−3.21	1.71	7.5	10	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	..	.....	.....	.....	.....	.....	.....	.....	2.75	.....	1.58	7.5	10	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	19.2	−17.8	47	13	−16	26	34	1.58	−2.99	0.70	6.5	10	16	2	13	w.	C. R. Lovell.
Hartford (near)	Ohio	640	..	.....	.....	.....	.....	.....	.....	.....	1.65	.....	0.72	13.0	9	14	3	14	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	19.0	.....	52	14	−16	19	38	2.28	−1.37	1.25	15.5	10	8	10	13	s.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	20.6	−17.3	55	13	−17	26	43	1.96	−3.36	0.68	6.8	6	18	6	7	n.	W. K. Morris.
Lovelaceville	Ballard	479	11	20.2	−14.2	54	14	−14	26	42	2.44	−3.48	1.37	8.0	7	12	8	11	w.	Blaine Malone.
Mayfield	Graves	364	31	22.2	−15.1	56	14	− 9	26	30	3.44	−1.72	1.89	9.5	9	12	10	9	nw.	Mrs. Joe Payne.
Murray	Calloway	412	14	22.0	−16.2	54	14	− 8	19	34	2.98	−2.55	1.63	5.0	6	7	10	14	n.	Pat W. Wear.
Owensboro	Daviess	420	43	16.6	−18.6	50	14	−18	19	38	1.86	−2.41	1.14	7.0	7	10	2	19	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	2.04	−3.28	1.14	11.7	13	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	22.1	−14.8	46	16	− 6	19	30	2.74	−2.23	1.66	7.5	11	12	7	12	.....	Joe Lagore.*
Princeton	Caldwell	529	33	20.5	−14.6	52	14	−11	19	39	2.65	−2.12	1.77	11.5	9	8	11	12	sw.	S. J. Lowry.
Ramsey, Lock 2 ‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	2.22	−2.42	1 18	10.5	13	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	2.07	−2.95	1.80	5.0	11	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Anchorage	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	1.48	−4.20	0.77	8.5	13	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	18.2	−15.3	52	14	−15	19	38	1.46	−2.71	0.90	8.6	6	15	2	14	w.	C. E. Barret.
Bowling Green	Warren	500	44	24.9	−12.6	50	13†	− 9	19	39	2.30	−2.92	0.90	6.0	9	13	7	11	w	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	1.65	−3.87	0.98	6.8	10	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	2.36	−2.45	0.87	6.6	11	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	0.58	−3.14	0.24	3.4	8	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	1.43	−1.85	0.52	10.0	12	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	21.4	.....	52	14	−14	19	33	1.56	−2.12	0.67	8.7	14	7	6	18	w.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	22.2	−15.4	53	14	−12	19	32	1.23	−3.03	0.35	6.5	6	11	6	14	nw.	Kentucky Utilities Co.
Eadsville	Wayne	622	..	.....	.....	.....	.....	.....	.....	.....	1.75	.....	0.41	6.5	9	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	22.7	−13.0	50	14	−15	19	39	2.10	−2.48	0.72	.....	9	7	4	20	sw.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	20.0	−16.3	53	14	−15	19	36	1.55	−2.69	0.58	9.0	12	11	3	17	w.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	0.96	−3.09	0.57	2.9	8	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	°22.2	−17.9	52	14	−19°	26	40°	1.39	−2.92	0.61	7.0	10	12	11	8	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	1.37	−1.72	0.65	.....	11	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	20.6	−14.9	52	13†	−13	19†	40	1.29	−3.97	0.41	6.8	10	5	2	24	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	1.36	−3.26	0.38	9.8	11	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	21.4	−14.8	52	14	−14	19	37	1.85	−2.56	0.89	8.9	11	10	3	18	.....	L. O. Stiles.
LaGrange	Oldham	850	..	.....	1	.....	.....	.....	.....	.....	1.70	.....	0.75	9 9	11	15	12	4	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	1.38	−2.93	0.36	.....	8	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	20.4	−15.3	45	13†	−14	19	38	2.82	−2.17	0.84	14.5	15	13	6	12	sw.	H. H. Willis.
Lexington	Fayette	989	56	19.6	−13.3	52	14	−12	19	31	2.31	−1.87	0.56	17.8	14	.....	.....	.....	.....	U. S. Weather Bureau.
LittleHickman, Lock 5	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	1.82	−2.59	0.40	11.5	9	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	1.63	−2.39	0.62	10.5	9	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	20.4	−14.0	54	14	−13	19	25	1.56	−2.44	0.71	8.2	13	11	8	12	sw.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	2	19.2	.....	52	14	−14	19	35	1.54	.....	0.48	9.3	14	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	18.0	.....	54	14	−14	19†	39	1.83	.....	0.79	6.2	13	14	0	17	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	..	.....	.....	.....	.....	.....	.....	.....	1.23	.....	0.50	7.0	7	7	11	13	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	1.45	−4.01	0.75	3.3	10	.....	.....	.....	.....	Chester Williams.
St. Joni	Hardin	777	44	17.3	−17.0	41	11†	−17	26	37	1.73	−3.03	0.69	11.3	10	13	7	11	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	2.10	−2.57	0.64	11.1	11	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	17.7	−16.2	51	14	−20	19	34	1.30	−3.25	0.29	10 3	12	15	0	16	sw.	Willis S. Ratta.
Shepherdsville	Bullitt	500	8	.....	.....	.....	.....	.....	.....	.....	1.99	.....	0.78	10.3	11	11	9	11	w.	C. W. Cuernsey.
Smith's Grove	Warren	607	2	21.6	.....	52	13†	−11	19	39	1.43	.....	0.72	5.3	11	.....	.....	.....	.....	Airway Station.
Stearns	McCreary	1400	4	24.0	.....	53	13	−10	19	32	1.17	.....	0.38	6.5	14	.....	.....	.....	.....	Airway Station.
Taylorsville	Spencer	489	34	19.4	−15.4	53	14	−15	19	36	1.84	−2.87	0.70	9.4	10	16	7	8	w.	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	1.96	−2.48	0.74	7.0	11	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	35	19.9	.....	50	14	−15	19	35	1.31	−2.24	0.63	6.3	12	11	10	10	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	1.31	−3.85	0.59	5 2	10	.....	.....	.....	.....	Lockmaster.
Eastern Division.																				
Annville	Jackson	.....	9	21.0	.....	54	14	−18	19	41	1.25	.....	0.38	10.3	11	12	3	16	sw.	W. A. Worthington.
Ashland	Boyd	534	23	28.5	−13.0	56	14	− 7	19	34	1.07	−2.58	0.28	4.0	12	7	4	20	w.	Lockmaster.
Berea	Madison	1070	37	22.4	−16.8	53	13†	−13	19	31	1.44	−3.41	0.62	11.5	11	13	2	16	w.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	1.82	−2.66	0.30	15.1	12	.....	.....	.....	.....	Lockmaster.
Cumberland	Harlan	1440	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Olon Cook.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	1.58	−3 60	0.61	6.8	7	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	1.53	−2.43	0.66	5.0	10	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	20.1	−15.5	42	8†	−12	19	44	1.19	−3.15	0.39	7.9	8	8	11	12	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	1.56	−2.87	0.44	.....	8	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	1.40	−2.87	0.40	8.7	11	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	0.94	.....	0.31	6.0	6	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	1.11	−2.42	0.37	9.5	12	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	0.96	−1.26	0.17	.....	13	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	23.1	.....	55	14	−10	19	40	1.40	−2.86	0.43	7 5	12	10	2	19	sw	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.45	11.0	7	.....	.....	.....	.....	Jas. T Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	1 27	−2.16	0 55	10 2	9	.....	.....	.....	.....	R. J Howard,
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	1.47	−2.35	0.40	.....	6	.....	.....	.....	.....	Zeb Heston.
Maysville, Dam 33	Mason	524	42	20 8	−12 6	58	14	−10	19	32	1.53	−2.57	0 36	9 7	13	7	7	17	sw.	Lockmaster.
Middlesboro	Bell	1128	41	°24.4	−15.6	55°	13	−10°	28	36°	2.06	−2.53	0 70	11 2	9	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	950	47	19.8	−14.2	52	14	−18	19	38	1.45	−3.42	0 60	12.0	5	10	13	8	w.	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	1 93	.....	0 83	.....	3	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	0.99	−2.49	0.43	8.7	9	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	1.40	.....	0.23	11 2	11	.....	.....	.....	.....	A. L. Doulta.
Pikeville	Pike	636	4	27.2	.....	59	14	− 5	19	31	1.18	−2.60	0.28	11.6	14	.....	.....	.....	.....	U. S Weather Bureau.
Pippapass	Knott	1035.	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Caney Run Com. Cen.
Quicksand	Breathitt	732	14	23.0	−15.7	47	14	−13	19	48	1.47	−2.44	0.72	7.5	4	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	651	21	.....	.....	.....	.....	.....	.....	.....	1.21	−2.37	0.33	.....	10	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	22.0	−13.3	50	13†	−15	19	28	1.00	−3.41	0.40	5.0	10	9	13	9	.....	L. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	1.32	−3.30	0.26	10.7	12	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	1.37	−2.75	0.35	5.8	12	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	24.0	−14.6	61	14	−10	26†	32	1.58	−2 84	0.40	8.2	12	12	9	10	.....	Wadely West.
Willow, Lock 13	Lee	616	26	.....	.....	.....	.....	.....	.....	.....	1.72	−2.03	0.26	8.4	9	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	20.5	.....	52	14	−14	19	29	1 38	.....	0.31	10.8	16	.....	.....	.....	.....	Airway Station.
State averages and extremes	.....	.....	..	21.1	−14.7	61	14	−20	19	48	1.67	−2.82	1.89	8.6	10	11	6	14	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, ª, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, b represents two days, etc.

* Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow

°Rainfall record by U. S. Engineers.

Daily Precipitation for January, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G.	.04			.16			.14	.01		.08	.16	.11		.85			T.	.03					.21						T	T		1.74
Calhoun	G.	.02			.18			.14			.04	.15	.05	.03	1.33				.09					.23									2.00
Carlington	G.				.17			.16			.44		.30		1.32				T.					.20							T.	T.	2.49
Fords Ferry Dam 50[3]	O.	.03	T.		.17	T.		.10	.03		T.	.81	.02	T.	1.71	T.			.03	T.		T.		.06	.05	T.						2.75
Gilbertsville[3]	T.	.36			.10			.10			.02	.29	.05	T.	1.58				T.	.01				.16	.07								2.68
Greenville	G.	.01			.15			.07	.14		.02	.17	.05		.70				.02					.22					.01	T.			1.65
Hartford	G.	.04			.18			.13	T.		.07	.18	.04		.72				.03					.26						T			2.28
Henderson	O.	.04			.15			.09	.02		.21	.15			1.25			.04	.12					.40									1.96
Hopkinsville	C.	.15			.05			.12				.50			.68				T.					.19									2.44
Lovelaceville	M.				.30			.20			.10	.18	.10		1.37				T.					.40						T.			3.44
Mayfield	M.	.20			.15			.15			.25	.30	.07	.03	1.89				T.					.30									2.99
Murray	T.	.48			T.			T.			.21	.23	.13		1.63				T.					.30						T.	T.		3.86
Owensboro	O.	T.			.15	T.		T.	.07		T.	.11		.03	1.14				.16					.21	T						.02	T.	2.04
Owensboro, Dam 46[3]	O.	.03	T.		.13	.02		.03	.12	T.		.28	.02	T.	1.14	T.			.06	.02				.05	.12	T.				.05			2.74
Paducah[3]	O.	.03			.12	T.		.13	T.		.08	.39	.08	.01	1.66	T.			T.					.15	.04	T.							2.74
Princeton	K.	.02			.15			.15			.02	.23	.21	.02	1.77				T.	T.				.08							T.		2.65
Ramsey, Lock No. 2[3]	G.	.04			.18	T.		.09	.06			.21	.05	.01	1.18	.01			.05	.03		T.		.17	.14	T.					T.		2.22
Russellville[3]	G.																															
Uniontown, Dam 49[3]	O.	.02			.10	T.		.08	.01	T.		.38	T.	.02	1.30	T.			.03	T.				.02	.09						.02		2.07
Central Division																																
Addison, Dam 45[3]	O.	.02	T.		.11	.02		.01	.08	T.		.24	.02	T.	.77	.02			.06	T.				.02	.06						.05		1.48
Anchorage	O.	T.			.10			.08	T.						.90			T.	.14					.17						.07	T.		1.46
Bowling Green	G.	.40			.90			.25	T.			.15	.02							.03				.15	.25						.15		2.30
Bowling Green No. 2[3]	G.	.06	T.		.10			.08	T.			.27	.05	T.	.92					T.		T.		.16	.11	T.					.05	T.	1.77
Brownsville, Lock No. 6[3]	C.	.05	.03		.03	T.		T.	.26			.18	.06		.98					.02				.08	.08						.03		1.65
Burnside[3]	C.	.04			.03				.08			.22	.01		.48	T.				.02				.37	.87						.02	T.	2.26
Carrollton Lock No. 1[3]	K.	.07			.06				.03			.24							.03	.04				.07							.04		0.68
Cold Spring, Dam 36[3]	O.				T.	.05			.05	.03		.31	.05	.01	.52	.09			.04	.06	T.	T.			.10	T.					.12	T.	1.43
Danville[3]	K.	.01	.01		.11	T.			.24	.01		.13	.01		.67	.03			.07	.01		T.		.01	.12	T.					.13	T.	1.56
Dix Dam, Burgin	K.	T.		.14				.25			.16			.35										.18						.15			1.23
Eadsville[3]	C.	.03			T.				.20			.34	.04		.41					.06				.19	.33								1.75
Eubank	C.	.06			.12				.12			.43		.72						.09				.09	.30						.21		2.10
Frankfort, Lock No. 4[3]	K.	.02	T.		.07	.02			.14	.01		.25	.03		.58	T.			.10	.03		T.		T.	.15		T.	T.			.12		1.55
Gest, Lock No. 3[3]	K.				.03			.04				.05	.10		.57				.06						.06							.05	.06
Glasgow	G.	.01			.14			.04	.03			.27	.02		.61									.14	.09						.04		1.39
Grant, Dam 33[3]	O.				T.				.05	.01		.35	.02	.02	.65	.03			.02	.01	T.	T.			.12	T.		T.			.09		1.37
Greensburg	G.	.02	.01		.13			.06				.30	.06		.41									.10	.10						.10		1.29
High Bridge, Lock No. 7[3]	K.	.02	.01		.10	T.			.28	T.		.18	.07	T.	.38	.04			.08	T.		T.		T.	.09			T.	T.		.11		1.36
Irvington	O.	.02			.15			.19	.04		.06	.14	.02		.89				T.	.13		T.		.18									1.85
LaGrange	O.	.02				.05	T.		.06	.10		.27	.01		.75				T.	.21				.18	T.						.02	.05	1.70
Lancaster[3]	K.			.15			.08	.18			.13			.36					.15					.18							.15			1.33
Leitchfield[3]	G.	.07			.16			.05	T.			.22	.11	.02	.84					.10	.05			.40	.20			.20	.20		.05	.15	2.82
Lexington[4]	K.	.07			.16	T.		.38	.06		.03	.19	.06		.56			.07	.10		T.			.29	.02	T.		T.		.27	.05		2.31
Little Hickman, Lock No. 8[3][4]	K.	.07			.25				.30			.20			.40	.10			.10					T.	.22						.18		1.82
Lockport, Lock No. 2[3]	K.	T.	T.		.08				.13			.26	.04	T.	.62				.12		T.			.07	.14	T.					.17		1.63
Louisville[1][5]	O.	.01			.09	T.		.11	.02		.19	.07	.01	.11	.60			.04	.09	T.	T.			.18	T.	T.				.04	T.		1.56
Do, Bowman Field	O.	.01			.06	T.		.20	.05		.22	.02	.04	.06	.48			.12	.04	T.	T.			.13	.03	T.	T.	T.		.08	T.		1.54
Mammoth Cave[2]	G.	.03	T.		.13	T.		.01	.14			.23	.06	.02	.79				.01	.01	T.			.14	.18	T.					.08		1.83
Monticello[3]	C.	.04							.08			.50	.05							.04				.40		.12							1.23
Munfordville[3]	G.	.04	T.	.12			.11	.05			.15	T.		.75	T.				.03	T.			.05	.08						.07			1.45
St. John	S.	.04			.32			.15	.06		T	.19	.08		.69				.06					.12	T.					T.	.02		1.73
Salvisa, Lock No 6[3][4]	K.		.04		.18				.31			.21	.11	.03	.64				.14	T.				.02	.20						.22		2.10
Shelbyville	S.	.01			.09			.10	.04			.28	.04	.03	.29			T.	.18					.12						.05	.07		1.30
Shepherdsville	S.	.03			.15			.13	.04			.28			.78				.22					.21	.03					.04	.03		1.99
Smith's Grove	G.	.02			.09			.03	.05			.26	.02	.01	.72				T.	T.	T.			.06	.15						.02		1.43
Stearns	C.	.02	.01					T	.08	.04		.10	.09	.02	.88					.03				.03	.34	.01					.01	.01	1.17
Taylorsville	S.	.10			.10			.12	.05			.20			.70				.26					.18						.05	.08		1.84
Tyrone, Lock No. 5[3][4]	K.	.03			.09				.32	.02		.25	.06	T.	.74				.18	T.				.03	.12	T.	T.	T.			.12		1.96
Williamstown	L.	.02			.05			.10	.03			.30	.02		.63				.12					.15	.05					.05	.10		1.62
Woodbury, Lock No. 4[3]	G.	.03			.15			.07	T.			.12	.11		.59				T.	.01				.12	.09						.02		1.81
Eastern Division																																
Annville[3]	C.	.03			.03	f.			.03			.10	.04		.38				.12	.04	T.			.32	.04			T.			.10		1.25
Ashland[3]	O.					.10			.12	.02		.28	.04		.10	.18			.04	.02	.01				.10			T.			.06		1.07
Berea	K.	.05			.10			T	.15			.62		T.	.04				.07	.04				.18	.09					.02	.08		1.44
College Hill, Lock No. 11[3]	K.	.05	.04		.15				.25	T.		.22	.05		.20				.20	.08				.08	.30	T					.25		1.82
Cumberland	C.																								.25								
Cynthiana[3]	L.			.10				.05		.45					.61			T.	T.						.13	T.					.12		1.58
Falmouth[3]	L.	T.	T.	.06	T.				.07	.01		.34	T.		.66	.08		.06	.02						.13	T.					.15	T	1.58
Farmers[3]	L.		.01		.03				.19			.25			.39				.03	T.				T.	.20	T.					.09	T.	1.19
Flemingsburg[3]	L.	.01			.07				.13			.26			.44				.07						.20	T.					.34		1.56
Ford, Lock No. 10[3][4]	K.	.04	.02		.07	T.			.40	T.		.18	.04		.16	.06			.07	T.	T.	T.		T.	.20	T.	T.				.15	T.	1.40
Grayson[3]	O.								.11			.30			.31		.02	T.							.15						.05		0.94
Greenup, Dam 30[3]	O.					.03			.06	.06		.37	.04	T.	.15	.21			.02	.01	.03				.11						.02	T.	1.11
Hazard[3]	K.		.03		.07	T.		.06	.10			.02		T.	.10	.17			.02	.12		T		.07	.06	.06					.08	T.	0.96
Heidelberg, Lock No. 14[3]	K.	.03	.01		.07	.03			.16	.01				T.	.48	.21			.06	.03				T.	.27	T.					.07		1.40
Jackson[3]	K.	.10			.30					.32		T.			.45				.05	.10											.35		1.67
Jenkins[3]	B.		.06		T.	.04			.07	.20				.07						.40				.05	.55	.02							1.27
Louisa[3]	B.								.35			.16			.15	.26				.40			.15		.17	.02					.13	.06	1.47
Maysville, Dam 33[3]	O.				T.	.09			.06	.03		.36	.01	T	.28	.24			.08	.05	T.												1.53
Middlesboro	C.	.05						.01	.05			.14	.08		.66					.10				.70					.30				2.09
Mount Sterling	L.				.10			.20							.60				.30					.25				.50			.60		1.45
Oneida[2][4]	K.														.83																		1.93
Oneonta Dam 35[3]	O			T.	T.	T.			.06	.02		.19	.02	T	.43	.07			.03	T.	T.	T.			.08	T.	T.				.09	T.	0.99
Paintsville[3]	B.	T.	T.		.21	.10			.20	.05		.06			.21	.18			.07	.09					.21						.02		1.40
Pikeville	B.		.01		.05	.06			.14	.10		.10	.02	.01	.04	.07				.26					.28	.01					.03		1.18
Pippapass	K.																																
Quicksand[3]	K.				.30										.72									.25						.20			1.47
Ravenna, Lock No. 12[3]	K	.05	.06		.08	T.			.18	T.		.06			.33				.09	T.				.02	.26	T			T.		.08	T.	1.21
Richmond	K	.03							.15					.05	.40	.05			.05	.05				.05	.10						.05		1.00
Valley View, Lock No. 6[3]	K	.01	.03		.07	T			.23	T.		.15	.05		.26	.04			.08	.05						T.	T.				.20		1.32
Vanceburg, Dam No. 32[3]	O					.06			.02	.03		.3	.02	.01	.31	.35				.01	.01				.15						.07		1.37
Williamsburg[2]	C.	.14	T.					.08	.04	T.		.09	.06	.12	.40					.09				.21	.23	.04					.04		1.58
Willow, Lock No. 13[3]	K	.02			.06				.21	.11		.11			.70				.13	.03					.26						.09		1.72
Winchester	K	.01	.02		.06	.08			.31	.06		.14	.03	.01	.13	.15			.10	.02		T.			.14	.01	T.	T.			.11	T.	1.38

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. [4]Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky.
River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for January, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	18	17	25	31	29	26	33	34	34	37	49	43	49	54	39	44	40	24	8	21	25	31	28	25	15	13	22	33	32	31	40	30.6
	Minimum	11	8	−1	19	−5	−9	21	16	13	24	34	32	33	30	22	18	22	−1	−12	4	3	6	21	4	−4	−17	−10	−9	10	12	2	9.4
Calhoun	Maximum	21	17	24	31	29	26	33	33	37	43	43	46	53	40	44	41	23	10	21	24	32	28	26	18	15	21	33	33	32	34	39	30.6
	Minimum	9	2	−1	18	−5	−8	17	17	3	23	33	32	30	21	19	22	0	−12	4	3	6	22	5	−4	−10	−2	−7	11	16	8	9.8
Earlington	Maximum	20	18	25	32	30	28	35	35	34	39	40	46	33	45	52	45	44	24	10	21	26	32	30	25	19	15	22	33	33	33	39	31.1
	Minimum	10	5	1	21	−3	3	20	20	5	27	28	32	27	30	23	18	24	−1	−10	7	5	8	22	7	−3	−10	−4	1	18	16	12	11.4
Greenville	Maximum	18	20	25	32	28	25	35	32	35	39	46	44	47	45	41	46	41	28	8	22	28	34	28	23	19	14	23	33	33	32	37	30.1
	Minimum	8	1	−8	16	−6	−9	18	19	4	22	33	30	31	28	20	16	23	−1	−13	−7	0	5	20	2	−6	−16	−9	−5	16	10	6	8.2
Henderson	Maximum	18	17	19	28	26	28	32	32	29	37	42	40	45	52	39	45	39	20	9	23	25	32	26	24	13	16	23	33	31	33	39	29.5
	Minimum	5	−1	−3	17	−10	−10	16	17	−1	21	32	31	30	29	20	16	19	−3	−16	0	0	8	20	3	−8	−10	−5	0	16	14	18	8.4
Hopkinsville	Maximum	22	21	27	32	10	29	35	32	37	41	48	35	55	50	42	40	36	28	17	24	29	32	29	23	17	11	22	33	34	30	39	30.9
	Minimum	9	4	1	19	−2	8	29	19	11	20	33	32	31	30	22	18	14	8	−11	4	4	11	20	0	−5	−17	−10	−10	10	13	6	10.2
Lovelaceville	Maximum	20	20	24	29	27	21	33	31	34	37	42	42	42	54	38	45	44	24	12	24	26	29	30	25	21	17	20	35	35	33	36	30.6
	Minimum	6	0	−4	20	−4	3	20	18	4	25	33	30	30	29	21	18	23	4	−8	4	4	6	12	3	−4	−14	−7	−7	22	14	10	9.9
Mayfield	Maximum	30	19	24	31	29	24	33	33	33	37	46	46	47	56	40	46	43	26	13	26	27	30	29	25	22	15	21	33	33	34	36	31.8
	Minimum	7	1	2	21	−2	5	21	16	10	28	34	31	31	29	23	24	26	3	−7	7	6	10	22	5	−3	−9	−1	3	21	16	14	12.7
Murray	Maximum	22	18	27	31	30	27	35	35	33	39	46	48	50	54	38	47	46	25	10	24	26	30	29	23	19	18	27	34	33	34	32	31.6
	Minimum	9	3	4	22	0	7	24	18	12	29	35	32	33	28	24	24	28	2	8	7	6	11	21	2	3	7	12	2	1	14	5	12.6
Owensboro	Maximum	13	10	18	28	27	26	33	32	26	33	40	33	44	50	44	43	23	22	9	18	19	24	23	22	14	9	18	27	27	28	32	25.8
	Minimum	5	−1	−4	16	−9	−12	16	18	4	19	31	30	30	27	20	17	21	2	−18	−1	−3	0	20	1	−9	−14	−7	−6	10	14	16	7.5
Paducah	Maximum	22	22	19	24	30	13	26	33	27	32	40	44	33	54	34	39	46	27	8	12	22	26	30	26	24	13	16	22	34	33	30	27.8
	Minimum	10	5	2	2	−2	2	8	17	10	10	31	32	32	31	23	20	20	8	−8	−7	6	5	11	10	−2	−8	−5	−2	0	17	18	9.5
Paducah (near)	Maximum	24	22	22	30	27	24	33	32	34	38	44	44	45	41	40	46	43	23	9	23	27	30	30	24	20	16	22	34	39	35	39	31.0
	Minimum	6	0	0	21	−3	3	21	15	6	27	35	32	32	25	24	21	23	2	−6	9	8	12	24	10	0	4	4	2	24	19	18	13.2
Princeton	Maximum	22	21	25	31	15	27	34	24	31	38	45	34	46	52	41	45	31	24	13	25	28	34	30	26	20	18	22	34	32	30	40	33.5
	Minimum	8	1	−1	20	−6	−2	21	18	4	24	34	32	32	29	22	19	23	2	−11	4	4	8	21	2	−4	−9	−3	−5	20	13	11	11.8
Russellville§§	Maximum	15	10	23	28	16	28	28	23	32	40	40	36	36	36	23	31	31	12	10	7	8	23	23	29	12	..	..	..	..	..	..	†28.8
	Minimum	10	4	2	10	0	2	8	21	12	21	30	32	31	34	22	18	21	10	−9	0	3	5	7	3	−8	−12	−11	−1	1	14	5	9.0
Central Division.																																	
Anchorage	Maximum	21	10	22	29	26	26	31	33	29	36	41	40	40	52	37	40	40	38	21	3	21	22	29	29	24	15	12	19	28	28	33	28.1
	Minimum	10	−7	−6	18	−6	−12	10	23	15	21	33	33	33	30	21	14	21	−2	−15	1	−2	3	20	10	−5	−14	−4	−5	4	10	5	8.3
Bowling Green	Maximum	29	31	29	32	30	26	35	35	39	40	46	43	50	50	40	43	41	33	20	26	29	32	32	26	20	34	33	40	34	33	37	34.8
	Minimum	18	7	8	21	2	3	22	23	25	26	36	36	34	32	24	22	30	13	−9	7	6	11	24	10	−1	−5	2	1	12	19	11	16.0
Danville	Maximum	23	21	24	34	28	25	32	33	30	38	40	40	47	52	37	41	40	29	10	19	25	33	30	30	15	18	19	21	36	36	37	30.1
	Minimum	13	4	−2	19	3	−8	18	24	21	24	32	34	33	31	22	18	25	4	−14	0	3	10	22	15	−1	−4	4	1	9	23	12	12.6
Dix Dam	Maximum	19	20	25	33	31	30	32	34	33	39	42	43	45	53	37	43	41	27	8	18	24	33	30	28	17	12	19	29	35	34	39	30.8
	Minimum	14	3	3	20	3	−2	16	26	23	28	33	36	35	32	25	17	26	6	−12	0	3	9	23	17	−3	−7	3	4	6	26	12	13.7
Kubank	Maximum	28	26	29	34	36	34	33	33	36	34	48	44	47	50	39	41	41	30	21	9	23	32	29	24	11	12	19	27	29	30	33	33.2
	Minimum	6	2	8	19	8	−5	18	22	21	24	31	36	33	31	21	18	30	8	−15	1	2	10	22	13	−1	−6	9	−6	9	23	5	12.2
Frankfort	Maximum	21	20	24	30	28	29	34	32	38	41	38	40	53	39	40	38	24	8	20	23	33	28	26	17	13	20	28	33	33	39	39	29.6
	Minimum	12	1	0	16	0	0	10	25	20	21	32	34	34	30	23	15	24	3	0	0	5	20	15	0	0	6	0	0	23	4	10.4
Glasgow	Maximum	27	22	28	32	33	30	34	35	33	40	45	45	48	52	37	40	44	36	8	23	27	35	34	28	18	14	21	31	34	33	40	32.8
	Minimum	18	4	2	21	4	1	22	28	17	24	34	37	35	31	24	18	30	6	−10	5	5	7	23	8	−6	−19	−18	−9	..	17	5	†12.0
Greensburg	Maximum	24	22	22	34	32	32	34	34	33	40	47	46	52	52	43	48	41	32	8	21	27	34	31	29	19	15	21	31	36	31	40	32.3
	Minimum	12	2	−2	18	−2	−8	15	20	15	22	31	34	32	30	21	15	27	8	−13	−1	1	3	21	10	−5	−11	0	−11	5	21	4	9.0
Irvington	Maximum	20	17	32	34	29	27	36	36	40	42	44	42	44	52	36	41	42	23	7	23	22	32	29	28	12	14	29	31	33	47	40	31.7
	Minimum	10	2	0	20	0	0	15	22	22	27	34	32	32	30	21	19	22	0	0	6	2	8	21	9	0	0	0	1	4	14	8	11.1
Leitchfield	Maximum	19	20	26	30	25	28	33	32	34	37	44	43	45	45	38	44	39	24	8	19	23	32	29	26	16	16	23	27	31	31	37	29.9
	Minimum	11	2	2	19	−5	−5	17	21	20	23	33	33	32	29	20	17	24	2	−14	3	2	5	20	6	0	−11	−5	0	13	11	9	10.8
Lexington	Maximum	19	17	20	31	24	27	31	32	32	37	39	38	45	52	35	39	37	20	8	16	21	31	28	22	8	18	18	26	33	34	38	27.9
	Minimum	6	2	0	19	1	−4	19	23	22	25	32	33	33	29	22	17	20	−3	−12	3	2	8	2	8	−3	−7	6	2	1	25	12	11.4
Louisville	Maximum	18	15	20	29	22	24	32	33	30	37	43	40	46	54	37	40	40	16	8	20	22	28	26	24	11	12	19	27	29	30	36	28.0
	Minimum	11	3	4	13	−1	−1	19	24	16	26	33	35	35	30	23	20	16	−6	−18	8	4	9	22	6	0	−3	3	6	16	19	14	12.8
Do. Bowman Field	Maximum	18	−16	22	30	24	25	32	32	29	36	40	40	45	52	37	40	36	16	6	22	22	29	26	23	12	11	20	29	29	30	37	28.0
	Minimum	7	1	−1	18	−2	−10	19	23	16	24	33	33	32	29	22	18	16	−6	−14	6	2	7	22	7	−1	−8	1	3	12	11	6	10.3
Mammoth Cave	Maximum	20	11	22	29	28	18	19	22	27	39	46	44	50	54	31	44	40	27	7	18	22	27	28	28	15	9	14	20	29	20	41	27.6
	Minimum	8	4	2	18	7	−9	7	8	15	21	32	31	31	28	20	13	23	0	14	2	1	5	20	4	−6	−14	−7	−3	10	16	−2	8.8
St. John	Maximum	16	14	23	27	20	21	32	33	30	36	41	41	41	40	35	40	40	10	3	17	20	33	28	24	17	11	26	26	27	34	35	27.1
	Minimum	9	−2	−6	17	−9	−15	9	19	19	21	31	30	27	19	16	23	3	−16	1	0	2	19	9	−7	−17	−8	−10	0	17	2	7.5
Shelbyville	Maximum	19	17	22	28	23	30	32	29	36	39	37	38	51	36	39	38	24	2	19	20	30	27	26	15	12	19	24	28	34	36	27.5
	Minimum	9	−4	−5	13	−5	−11	8	22	15	19	29	31	31	28	19	15	20	0	−20	−3	−3	1	18	12	−7	−13	0	−5	20	6	7.9
Smith's Grove	Maximum	19	22	25	30	27	30	35	29	33	40	45	42	52	52	38	43	35	30	18	22	27	32	28	23	11	14	20	30	31	32	38	30.6
	Minimum	12	4	4	20	16	0	0	19	15	22	34	34	38	48	23	19	30	13	0	6	4	8	23	11	0	0	0	0	6	18	8	12.5
Stearns	Maximum	24	34	30	32	25	32	33	30	28	40	47	44	53	51	37	42	50	23	10	23	28	36	30	22	14	13	19	29	33	33	42	31.7
	Minimum	17	3	4	22	22	4	23	29	22	23	28	28	40	39	27	24	29	22	9	22	22	29	23	19	10	0	1	1	6	25	12	16.4
Taylorsville	Maximum	20	20	25	30	15	28	33	34	33	39	42	40	45	53	39	41	40	25	4	21	24	33	29	25	19	10	14	22	29	35	35	29.7
	Minimum	9	4	−7	10	−1	−15	6	23	20	20	32	33	35	31	22	20	23	0	−15	1	1	4	21	9	−4	−18	−3	−11	4	20	2	9.1
Williamstown	Maximum	21	20	21	29	27	25	27	30	32	35	40	40	37	50	35	36	36	27	20	20	30	26	26	21	15	20	27	34	36	38	29.1
	Minimum	9	0	−1	16	−1	−4	10	26	12	22	32	32	29	21	14	20	5	−15	−1	−1	6	20	15	−4	−8	0	−1	11	23	14	10.7
Annville	Maximum	22	23	28	34	33	31	34	32	32	36	44	45	51	54	39	40	42	28	10	21	26	35	30	28	15	15	20	28	35	32	40	31.7
	Minimum	12	−1	−2	16	6	−8	13	22	18	32	36	35	33	24	18	26	7	−18	2	4	5	21	13	9	−10	−6	−13	−7	24	7	10.4
Ashland	Maximum	22	13	28	33	31	30	27	33	34	37	44	44	43	56	38	37	34	23	13	20	26	36	29	29	21	15	25	29	37	35	42	31.4
	Minimum	14	9	6	15	13	7	11	25	20	20	33	35	35	32	28	21	23	12	−7	9	9	14	18	21	6	5	6	2	3	27	21	15.6
Berea	Maximum	20	23	25	35	31	26	34	34	39	40	43	43	53	53	36	40	40	27	10	18	26	34	29	27	15	18	19	28	34	32	35	30.7
	Minimum	13	3	4	18	5	−5	16	24	22	26	31	36	35	32	22	19	26	8	−13	0	8	12	22	9	0	1	4	4	13	24	15	14.0
Cumberland	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	20	16	22	32	32	27	29	42	31	37	42	42	42	42	34	37	37	25	11	11	23	32	32	20	9	9	17	25	33	33	37	28.5
	Minimum	14	5	−2	12	9	−7	8	27	21	20	32	35	34	34	26	18	24	11	−12	0	4	9	12	16	2	−1	−9	−11	11	26	16	11.7
Heidelberg	Maximum	22	26	32	36	32	30	29	32	32	40	44	42	44	55	40	42	40	30	12	20	30	39	32	30	17	17	31	40	35	35	42	32.5
	Minimum	16	4	−1	19	17	−8	9	27	25	21	32	34	35	35	29	17	30	12	−10	5	4	3	21	17	−1	2	−2	−8	27	18	13.7
Maysville	Maximum	19	19	22	29	29	26	27	33	34	36	40	38	40	58	37	35	34	25	8	17	20	30	28	27	17	13	20	25	34	38	37	28.9
	Minimum	12	5	2	16	6	−4	6	26	20	19	32	35	34	33	26	19	32	22	8	−10	1	5	9	16	17	2	−1	−4	−2	2	25	18	12.7
Middlesboro	Maximum	30	..	30	..	36	34	35	35	30	36	38	47	51	54	..	42	48	40	19	22	31	35	33	33	20	15	20	26	30	33	40	‡33.8
	Minimum	18	..	5	..	20	6	20	24	20	26	32	36	36	35	..	20	33	17	−5	3	7	8	25	11	4	−9	1	−10	−7	25	16	‡14.9
Mount Sterling	Maximum	18	18	22	31	30	27	27	38	33	36	41	40	42	52	34	38	36	24	10	16	21	30	29	19	14	12	18	28	34	35	38	28.1
	Minimum	13	2	−1	16	−8	−3	14	26	22	23	32	34	34	32	22	17	24	12	−13	0	−3	−8	20	14	−1	−6	1	0	7	24	14	11.6
Pikeville	Maximum	25	24	32	34	32	32	39	35	31	35	46	46	55	59	41	43	48	29	26	23	31	40	36	29	25	19	24	31	37	35	42	35.0
	Minimum	20	16	1	17	28	7	13	31	27	19	28	38	35	46	31	21	29	26	−5	7	16	14	19	25	14	9	7	−1	3	25	29	19.5
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	30	29	34	39	36	42	32	36	34	46	43	46	43	47	36	38	40	34	21	22	33	34	33	28	13	20	22	31	40	37	42	34.2
	Minimum	15	7	2	15	6	−6	9	24	22	15	22	33	33	33	25	12	23	11	−13	2	5	8	19	12	4	1	−1	−9	6	23	15	11.7
Richmond	Maximum	20	20	35	34	28	25	34	36	31	35	42	42	50	50	45	40	38	20	2	18	24	34	28	22	10	11	20	28	32	34	38	29.8
	Minimum	14	1	1	18	6	−8	15	25	22	25	33	34	34	35	..	20	33	17	−5	3	7	8	25	11	4	−9	1	−10	−7	25	18	14.2
Williamsburg	Maximum	39	37	34	35	32	31	36	37	30	36	44	42	53	61	40	41	46	30	21	21	38	38	33	30	25	19	20	18	32	30	36	34.5
	Minimum	17	5	3	18	20	5	24	22	25	24	26	30	35	33	26	12	14	20	0	4	6	6	29	15	0	0	0	0	1	7	22	13.7
Winchester	Maximum	17	17	22	30	15	24	32	32	31	37	40	39	50	52	35	39	35	18	12	16	21	32	28	22	20	11	17	25	32	34	39	28.0
	Minimum	12	2	1	18	8	0	15	22	20	20	32	26	33	27	24	17	33	12	0	2	8	9	22	20	0	0	3	2	8	25	12	13.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 8 15 40 1100

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., FEBRUARY, 1940 No. 2

GENERAL SUMMARY.

Temperatures varied considerably but were most frequently below normal. The relatively warm days that occurred were so few and scattered that they had no effect on vegetation. It became evident early in the month that most peaches had been killed by the sub-zero temperatures in January. Other fruit buds remained entirely dormant, with some uncertainty as to their vitality. The snow cover that had protected grains through the long period of severe cold disappeared during the first week, leaving the ground deeply frozen and thawing slowly. Winter grains were exposed for several days, but with the ground in this condition the freezing and shallow thawing caused little injury. The melting of the snow and the accompanying rain fully restored surface water supplies for the first time this winter. The short interval of moderate temperature preceding the middle of the month was followed by heavy snow that remained only a few days but served as protection for grains during the short period of hard freezes. The last decade was decidedly cold, with frequent freezing and thawing of the bare saturated surface. There was some complaint of damage to winter wheat on the heavier soils at this time. The appearance of the plants at the end of the month indicated that this injury was not serious.

Precipitation much heavier than the normal, and occurring quite frequently, kept the ground too wet for plowing and also prevented most other outdoor work. A few tobacco plantbeds were burned and sown in the western counties near the end of the month, but most of this work awaited better drainage of the soil. The weather was favorable for finishing the stripping and marketing of tobacco. Cloudiness was exceptionally persistent, even for a midwinter month. The generally inclement weather required more careful shelter of young livestock than usual.

TEMPERATURE.

Mean temperatures slightly above normal occurred in very short intervals, usually of one to two days, but the prevailing daily averages were from 5° to 10° below seasonal levels. For the month the temperature averaged considerably below normal. The longest cold period was the week of the 20-26th, and the coldest day in most districts was the 25th. Extremes for the State were 68° on the 10th at Heidelberg and 2° on the 3d and 15th at Farmers.

PRECIPITATION.

Precipitation averaged about 25 per cent more than the normal amount for this month. Small districts in the extreme north and the southeast received less than three inches. Stations in a few western counties and near the eastern boundary reported from 3.0 to 4.0 inches. In other areas, which comprised most of the State, the monthly totals ranged from 4.0 to 6.0 inches. Amounts reported by all stations varied between 2.50 inches at Grant and 6.09 inches at Lovelaceville. Precipitation was moderate to heavy in the periods 5-6th, 9-11th, 13-14th, 17th-21st, and 27-28th. Falls of 1.0 to 2.0 inches occurred on the 10th, 14th, and 18th. The total snowfall ranged from about 1.0 inch in the extreme southeast to more than 13 inches at some northern stations. Most of the State received from 6.0 to 8.0 inches. The larger part of the snow fell in the period 11-14th. Some northern localities reported a thunderstorm on the 10th.

MISCELLANEOUS.

A general thaw on the 12th, followed by rain on the 13th, broke up the ice in the Ohio. The moderate rise caused the ice to move out rapidly. Navigation between Louisville and Cincinnati was resumed on the 14th. It had been suspended from January 19th to February 14th. This rise lifted stages above 30 feet by the 21st, after which they declined until the end of the month.

Errata.—January 1940, page 3: Taylorsville, minimum temperature should be −18 on 26th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity			Percentage of sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	
Cairo ..... Ill.	30.03	30.57	2	29.52	18	9.1	24	s	8	82	71	71	36
Cincinnati ..... Ohio	30.04	30.52	2	29.43	6	8.3	41	sw.	12	85	72	78	32
Evansville ..... Ind.	30.04	30.58	2	29.51	18	9.6	28	sw.	27	83	70	73	28
Louisville ..... Ky.	30.03	30.55	2	29.47	6	9.1	28	sw.	27	85	74	77	30

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature.			Precipitation		Number of days			
	Mean.	Highest.	Lowest.	Average.	Average snowfall	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	34.1	74	3	1.91	....	..	..	..	..
1890	45.6	86	16	7.98	....	..	..	..	..
1891	42.2	76	0	4.72	....	..	..	..	..
1892	42.2	70	11	2.92	....	..	..	..	..
1893	37.7	70	3	4.40	....	..	..	..	..
1894	34.6	74	2	4.66	....	..	..	..	..
1895	25.9	80	−18	0.66	....	5	12	8	8
1896	37.4	81	− 2	3.06	....	9	9	8	12
1897	39.8	76	18	5.75	1.2	11	8	7	13
1898	37.4	77	− 3	1.61	2.6	6	10	8	10
1899	26.2	71	−30	3.97	10.8	11	9	6	13
1900	32.5	76	− 9	4.68	7.0	12	7	8	13
1901	32.4	71	1	1.27	2.1	6	10	7	11
1902	27.9	69	− 3	1.20	2.8	7	10	6	12
1903	37.5	75	−16	7.28	6.1	9	11	4	13
1904	35.2	75	− 2	2.32	2.6	7	11	8	10
1905	27.9	67	−16	2.44	3.9	9	10	5	13
1906	34.7	75	−12	1.81	5.9	7	16	5	7
1907	35.7	73	−10	3.06	7.6	9	11	5	12
1908	35.6	70	2	5.56	3.1	13	9	5	15
1909	42.4	75	− 8	8.17	1.0	11	12	4	12
1910	32.9	66	−12	4.70	11.9	10	12	4	12
1911	42.0	80	11	3.25	0.4	9	10	4	14
1912	29.7	68	−14	3.08	3.3	7	10	5	14
1913	34.8	77	− 2	2.94	1.4	7	14	5	9
1914	32.2	69	− 2	4.14	7.2	11	10	5	13
1915	41.9	75	13	1.74	0.2	8	9	6	13
1916	35.0	72	− 4	2.99	5.0	9	11	6	12
1917	34.8	80	− 9	3.51	4.7	8	9	8	11
1918	39.3	83	− 8	2.04	0.6	7	11	7	10
1919	38.6	69	12	1.79	1.1	9	11	5	12
1920	35.7	71	0	2.27	3.8	9	8	5	16
1921	41.3	77	11	3.20	8.9	19	8	5	15
1922	41.3	76	4	3.58	0.8	10	8	6	14
1923	34.6	74	− 4	4.67	1.6	10	10	5	13
1924	36.0	71	9	2.56	1.9	9	9	5	15
1925	44.0	76	8	3.91	0.6	9	12	6	10
1926	41.1	70	4	3.14	1.4	19	8	7	13
1927	45.6	81	15	2.65	4.2	11	10	6	12
1928	38.1	72	5	2.48	1.0	10	11	4	14
1929	31.2	68	−14	3.58	12.6	9	10	7	11
1930	45.1	80	2	3.49	0.5	8	11	7	10
1931	41.6	76	12	3.20	0.3	8	12	4	12
1932	46.7	82	15	3.36	T.	8	14	5	10
1933	37.5	75	− 9	4.25	4.4	12	13	5	10
1934	31.8	72	−19	2.20	8.0	7	12	7	9
1935	40.1	73	5	2.85	0.6	8	9	7	12
1936	32.1	79	−14	1.95	5.5	9	12	5	12
1937	38.8	78	11	2.40	4.2	10	8	8	12
1938	40.7	77	8	2.39	0.6	11	7	6	15
1939	40.3	79	− 5	8.03	4.0	14	9	5	14
1940	36.1	68	2	4.56	5.6	13	6	6	17
Period	37.1	86	−30	3.46	3.7	9	10	6	12

¹52 year averages.

Climatological Data for February, 1940.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	28	36.4	+ 0.2	59	12	13	3	27	4.27	+1.09	1.36	6.5	11	4	4	21	s.	Eldred G. Young.
Calhoun	McLean	437	36	36.5	- 2.6	59	12	14	3	35	4.99	+1.67	1.13	5.0	15	7	3	19	.....	R. C. Bennett.
Darlington	Hopkins	420	46	37.6	- 0.2	57	8	15	3	37	3.79	+0.26	1.15	4.0	10	8	3	18	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	4.45	+1.87	1.03	6.0	15	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	4.77	.....	1.50	7.0	14	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	36.1	- 3.9	59	8†	11	3	30	5.27	+2.06	1.25	6.5	13	10	2	17	e.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	4.82	.....	1.25	8.5	16	7	4	18	.....	W. R. Carson. Sr.
Henderson	Henderson	382	18	35.7	.....	59	12	12	3	35	4.54	+1.88	1.28	5.5	12	7	3	19	e.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	36.7	- 2.5	60	12†	15	3†	38	3.88	+0.26	1.47	7.0	10	13	0	16	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	36.2	- 4.1	58	12	11	11	25	6.69	+2.37	1.40	8.0	11	8	5	16	n.	Blaine Malone.
Mayfield	Graves	364	31	38.0	- 2.0	57	12	18	14	33	5.25	+1.87	1.80	8.0	11	5	9	15	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	37.4	- 3.2	58	29	18	3†	27	5.46	+3.16	1.48	4.7	12	2	7	20	n.	Pat W. Wear.
Owensboro	Daviess	420	43	33.0	- 3.5	55	8	11	3	32	3.88	+0.98	1.09	4.0	11	6	4	19	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	5.13	+2.51	1.06	1.0	15	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	38.2	- 3.4	67	12	19	3	33	5.58	+2.27	2.00	4.0	14	4	9	16	.....	Joe Lagore.*
Princeton	Caldwell	529	33	36.9	- 0.9	58	12†	15	3	37	4.87	+1.38	1.28	7.5	14	3	10	16	s.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	5.12	+2.90	0.95	6.0	16	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	32.0	- 6.8	51	8	6	1	36	3.76	+0.72	0.85	1.3	14	6	4	19	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	4.79	+2.57	1.18	.....	15	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	5.14	+2.38	1.05	5.5	17	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	33.6	- 0.9	57	12	3	15	34	5.26	+2.40	1.10	10.5	13	9	2	18	nw.	C. E. Barret.
Bowling Green	Warren	500	44	35.0	- 1.0	59	12	16	3	31	4.64	+1.07	1.05	4.0	11	8	4	17	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	4.66	+0.69	0.87	6.0	15	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	5.16	+0.90	1.51	2.2	15	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	3.07	+0.47	0.76	8.0	10	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	3.97	+1.58	0.79	6.8	15	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	35.8	.....	62	12	11	15	30	4.59	+1.46	0.82	3.8	14	4	4	21	e.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	37.6	- 2.7	61	12	9	3	36	4.24	+1.27	0.87	3.5	13	7	3	19	se.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	5.59	.....	1.32	1.0	15	.....	.....	.....	.....	Joe Neffeet.
Eubank	Pulaski	1177	45	37.1	- 1.1	63	10	5	3	38	5.25	+1.86	1.10	0.2	8	8	4	22	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	35.4	- 1.4	61	12	5	3	37	4.62	+1.48	0.99	8.0	14	5	3	21	sw.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	4.21	+1.17	0.85	.....	12	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	38.0	- 3.6	60	12	11	3	38	5.07	+1.54	1.23	2.0	18	3	12	14	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	2.50	+0.25	0.60	.....	15	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	36.3	0.0	60	12	6	3	28	5.84	+1.73	1.03	2.0	15	2	0	27	se.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	4.74	+1.66	0.84	.....	17	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	36.6	- 0.1	61	8	8	1	37	4.79	+1.65	1.32	7.2	13	10	0	19	.....	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	4.68	.....	1.06	6.0	14	11	1	17	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	4.71	+1.75	0.92	.....	13	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	35.2	- 1.1	59	12	13	3	39	5.88	+2.60	1.15	7.7	17	7	6	16	s.	H. H. Willis.
Lexington	Fayette	989	56	33.8	- 0.7	59	12	10	3	28	4.68	+1.06	0.79	5.3	14	.....	.....	.....	.....	U. S. Weather Bureau.
LittleHickman, Lock 8	Jessamine	560	80	.....	.....	.....	.....	.....	.....	.....	4.69	+1.33	0.92	3.0	12	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	5.09	+2.22	0.87	11.0	14	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	35.8	- 1.9	57	12	17	3	24	5.23	+1.59	1.27	9.3	13	6	19	4	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	33.6	.....	57	12	8	15	29	4.33	.....	1.06	6.4	13	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	35.8	.....	58	11	4	3	41	5.87	.....	0.89	2.5	17	9	3	17	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	4.74	.....	1.49	1.5	12	5	8	16	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	4.97	+1.37	0.89	2.8	13	.....	.....	.....	.....	Chester Williams.
st. Joni	Hardin	777	44	37.8	+ 2.4	56	12	6	3	23	4.88	+1.26	1.22	5.0	13	5	8	16	.....	Sisters of Loretto.
Salvisa, Lock 6‡	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	5.27	+2.13	0.80	2.8	15	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	32.9	- 1.2	58	12	4	15	35	5.24	+1.84	0.93	13.7	15	8	0	21	sw.	Willa S. Ratta.
Shepherdsville	Bullitt	500	8	.....	.....	.....	.....	.....	.....	.....	5.43	.....	1.22	3.5	13	7	4	18	w.	C. W. Cuernsey.
Smith's Grove	Warren	607	2	37.1	.....	60	12	13	3	32	4.82	.....	0.82	1.6	16	.....	.....	.....	.....	Airway Station.
Stearns	McCreary	1400	4	37.8	.....	62	12	10	3	32	4.50	.....	1.69	3.6	15	.....	.....	.....	.....	Airway Station.
Taylorsville	Spencer	489	24	34.4	- 2.2	59	12	4	15	36	3.94	+0.61	0.82	5.3	12	13	7	9	w.	Thad. Cheatham, Sr.
Tyrone, Lock 5‡	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	4.94	+1.84	0.76	6.2	16	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	33.6	- 0.2	57	12	9	3	29	5.11	+2.41	1.28	13.2	14	10	3	16	w	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	4.27	+0.76	0.65	4.8	16	.....	.....	.....	.....	Lockmaster.
Eastern Division.																				
Annville	Jackson	.....	9	36.7	.....	65	10	4	3	37	4.42	...	0.90	5.4	13	4	8	17	sw.	W. A. Worthington.
Ashland	Boyd	534	23	36.4	- 1.3	68	10	8	15	33	4.04	−0.96	0.95	8.2	14	5	8	16	w.	Lockmaster.
Berea	Madison	1070	37	[a]36.7	- 2.1	66[a]	10	10[a]	3†	33[a]	4.01	+0.82	0.87	3.7	13	6	6	17	sw.	Luther M. Ambrose.
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	4.00	+1.07	0.98	3.0	14	.....	.....	.....	.....	Lockmaster.
Cumberland	Harlan	1440	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Olou Cook.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	5.15	+2.09	1.09	8.0	14	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	4.82	+1.83	0.83	8.5	15	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	34.3	- 2.6	60	12	2	3†	34	4.71	+1.61	0.97	5.5	15	3	9	17	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	4.64	+1.55	0.81	.....	11	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	4.45	+1.48	0.95	.....	14	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	4.03	.....	0.87	3.5	9	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	3.84	+1.01	0.61	7.2	14	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	4.16	+0.70	1.10	5.8	18	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	37.0	.....	68	10	8	3†	40	4.22	+1.16	1.06	3.0	14	5	2	22	sw	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	4.77	.....	1.05	6.0	10	.....	.....	.....	.....	Jas T Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	3.10	−0.72	0.82	7.0	10	.....	.....	.....	.....	R. J Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	4.01	+1.25	0.84	.....	13	.....	.....	.....	.....	Zeb Heston.
Maysville, Dam 33	Mason	524	42	34.9	- 0.2	59	12	5	3	34	4.92	+1.82	0.80	9.7	15	4	9	16	sw.	Lockmaster.
Middlesboro	Bell	1128	41	[a]38.4	- 1.4	60[a]	10†	15[a]	26	31[a]	4.64	+0.62	0.93	0.2	16	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	34.9	+ 0.6	63	10	5	15	35	.....	.....	.....	.....	.....	3	16	10	s.	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	3.12	.....	1.10	.....	5	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	4.01	+1.41	0.92	7.0	15	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	3.56	.....	1.00	5.6	12	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	686	4	38.4	.....	66	12	8	3	30	3.87	+0.73	1.41	3.2	16	..	.....	.....	.....	U. S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Caney Run Com. Cen.*
Quicksand	Breathitt	732	14	.....	.....	.....	.....	6†	15	.....	3.13	−0.57	1.10	3.0	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	3.89	+0.82	1.09	.....	13	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	36.2	- 0.6	65	10	11	3	29	4.30	+1.12	0.90	.....	13	8	8	13	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	4.17	+0.80	0.88	4.0	13	...	...	...	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	4.46	+1.03	0.63	8.0	14	...	...	...	.....	Lockmaster.
Williamsburg	Whitley	939	43	40.0	+ 0.6	66	12	3	3	36	2.76	+0.75	0.95	1.0	15	9	8	12	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	4.48	+2.00	1.12	3.2	15	...	...	...	.....	Lockmaster.
Winchester	Clark	964	3	34.8	.....	60	12	8	3	31	4.53	...	0.89	6.0	16	.....	.....	.....	.....	Airway Station.
State averages and extremes		.....	.....	35.1	- 1.0	68	10	2	3†	41	4.56	+1.10	2.00	5.6	13	6	6	17	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, [a], [b], [c] appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for February, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam									.62	.52	.30		.87	.04			.10	1.86	.07	.18	T.	T.		.09			.12	T.				4.27
Calhoun						.87	T.		.81	.88	.02		.81	.02			.06	1.13	.11	.24	.02	.02		.09			.38	.03				4.99
Earlington						.06								.60	.28		.63	1.16	.20	.26	.20			.07			.89	T				3.59
Fords Ferry Dam 50[3]						.86	T.		.08	.20	.54		.26	.19				1.05	.65	.45	.02	.02	T.	.08	.02		.02	.82	T			4.45
Gilbertsville[4]						.81			.14	.35	.35		.40	.35				1.60	.20	.34	.02	.02	T.	.09	T.		.07	.18	T			4.77
Greenville				T.		.90			.72	.59	.03		.95	.08			.03	1.25	.12	.20	T	.02		.08			.30	T				5.27
Hartford				T.	.01	.94			.34	.60	.20		.74	.08			.09	1.25	.09	.24	.01	.01		.08			.28	.01				4.82
Henderson						.92			.06	.62			.41	.06			.01	1.28	.18	.31	.04			.13			.52					4.04
Hopkinsville									.30	.20		.23	.72		.26			1.47	.13	.36				.17			.05					3.88
Lovelaceville						.90			.08	1.40			.40				1.20	.90	.20	.38	.06			.18			.40					6.09
Mayfield						.91			.22	.27			.65		.25		.85	1.80	.21	.30	.06			.13			.86	T				5.25
Murray				T.	T.	.90			.25	.21			1.40				.46	1.48	.56	.35	.28			.19	.02		.46					6.46
Owensboro				T.	T	1.09			.16	.89	.19		.16	.19			T	.01	.37	.26				.08			.44	T				3.83
Owensboro, Dam 46 [3]					T	1.06	.05		.14	.15	.99		.16	.40				.53	.77	.32	.04	.02	T.	T.	.02		.05	.44	T.			6.13
Paducah[4]					T.	.87	T.		.04	.36	.67		.86	.24				2.00	.18	.87	.02	.06	T.	.14			.05	.21	T.			5.58
Princeton						.82			.31	.52	.05		.72	.08			.17	1.28	.36	.24	.02	.01		.10			.26					4.87
Rumsey, Lock No. 2 [3]					.01	.95	T.		.23	.16	.84		.30	.44				.78	.66	.25	.06	.04	T.	.07			.65	.28	.01			5.12
Russellville [3]						.85	.02		.48	.37	.16		.52	.43					.12	.30	.03			.05	.08		.20	.21				3.76
Uniontown, Dam 49[3]						.80	.06		.01	.09	.41		.24	.09				.82	1.18	.52	.04	.05		.07	.05			.86	T.			4.79
Central Division																																
Addison, Dam 45 [3]		.06				.68	.09		.11	.82	1.05		.14	.27				.27	.86	.67	.05	T.	.01	.02	.10		.08	.38	.08			5.14
Anchorage				T.		.75			.14	1.08	.23		.71	.09				1.10	.34	.33		.04		.09			.30	.11				5.26
Bowling Green				T.					.45		1.05		.76	.12			.26	.81	.20	.10		.16		.35			.41	T.				4.64
Bowling Green No. 2[4]					.04	.68			.43	.46	.15		.48	.35				.89	.16	.26	.04	T	T.	.09	.10		.19	.21	T.			4.60
Brownsville, Lock No. 6[2]						.70			.22	.47	.30		.42	.37				.87	.33	.27	.05	.03	.02	.04	.16		.15	.28				4.06
Burnside[3]				T.		.38	.30		.03	1.51	.07			.73				.78	.19	.25	.05		.04		.07		.08	.51	.07			5.16
Carrollton Lock No. 1[3]						.70	.12							.33				.40	.76	.28	.05	.07					T.	.27	.14			3.07
Cold Spring, Dam 36[3]				T.	T.	.02	.57	.32	T.	.05	.29	.79		.29				.22	.76	.19	.04		T.		.12		.06	.20	.06			3.97
Danville[3]				T.		.01	.56		T.		.77	.47	.12	.82				.75	.18	.33	.05	T.	.02		T.		.10	.32	.09			4.59
Dix Dam, Burgin						.60		.06	.87	.27		.16	.65				.70	.25		.05		.04			.10	.45	.05				4.24
Eadsville [3]						.02	.62	.04		12	.32	.13		.07	.77			.77	.43		.28	.08				.24		.60	.08			5.52
Eubank						.55	.25			1.10				.80				.65		.72					.44			.74				5.26
Frankfort, Lock No. 4[2]				T.		.82	.02		.28	.41	.42		.02	.99				.56	.40	.25	.03	T.	T.	T			.03	.29	.13			4.62
Gest, Lock No. 3 [3]						.85			.06	.35	.57			.55				.55	.37	.24				.12			.16	.29	.10			4.21
Glasgow					.01	.53	.01		.14	1.28	.12		.08	.47				.84	.53	.18	.01	.03	T.	.02	.09		.26	.41	.03			5.07
Grant, Dam 35[3]				T.	T.	T		.22	T.	08	.23	.60		.37				.45		.20	.06			.02			.05	.12	.10			2.50
Greensburg							.54			.36	1.03	.12		.25	.51			.60	.67	.12	.06	.01			.11		.23	.66	.07			6.34
High Bridge, Lock No. 7[2]				K.		T.	.62	.03		T.	.84	.15		.20	.81			.72	.26	.40	.07	T.	.03		.09		.15	.32	.05			4.74
Irvington		.25	T.				.80			.13	.68	.02		.54	.05		T	1.82	.23	.22		T.		.10			.38	.08				4.79
LaGrange		.02	T.			T.	.85	T.		.08	.63	.47		.35	.08			1.06	.24	.34		.01		.12			.30	.13				4.68
Lancaster[2]					.02	.51						.09	.75	.26		.10	.92			.65	.16	.46				.25	.42	.12				4.71
Leitchfield [3]		T.			T.	.01	.83			.22	.45	.30	.03	.92	.30	.09		1.15	.40	.20	.10	.02	.40					.43	.03			5.88
Lexington [4]		.01	T.		T.		.67			.36	.66			.79	T.			.18	.73	.22	.23	.01	.05		.17	T.		.52	.08				4.68
Little Hickman, Lock No. 8 [3][4]			T.				.56				.92	.20		.16	.88			.65	.18	.32	.08						.23	.46	.05			4.69
Lockport, Lock No. 2 [3]			.06			T.	.87	T.		.08	.37	.79		.18	.71			.68	.44	.23	.07	T.	T.	T.	.12		.13	.25	.11			6.09
LOUISVILLE[4] [5]		T.			T.	T.	.87			.14	.95			.86	.02			.05	1.25	.54	.23	.01		.06	T.	.01	.19	.07				5.23
Do, Bowman Field		T.			T.	T.	.68		T.	.12	1.08		T.	.60	.05			.03	.88	.43	.17	T.	.01	T.	.05	T.	T.	.19	.09				4.83
Mammoth Cave[2]					.02		.64	T.		.62	.56	.44	.34	.47				.89	.44	.20	.06	.30	T.	.06	.28		.20	.40	.05			6.87
Monticello [3]						.08	.25	.50			1.49					.65		.55		.17	.10				.15		.08	.69	.08			4.74
Munfordville [3]							.68			.30	.83	.20	T.	.01	.72			.89	.59	.10	.09	T.		T.	.12		.11	.30	T.			4.97
St. John					T.	.01	.80			.30	.42	.12	T.	.80	.05			1.22	.28	.31		T.		.09	T.		.86	.12				4.88
Salvisa, Lock No 6 [3][4]				K.			.69	T.		.06	.68	.58		.21	.72			.80	.24	.47	.07		.03	.03	.14		.16	.44	T.			5.27
Shelbyville		.01		.04	T.		.90			.14	.58	.38		.61	.22			.98	.22	.55		.02		.19			.35	.15				5.24
Shepherdsville				S.			.79			.20	.45	.15		.98	.24			1.22	.83	.48	T.	.02		.16			.39	.07				6.43
Smith's Grove				G.		T.	.65			.28	.82	.32		.02	.59			.68	.43		.04	.05	.01	.02	.13		.11	.33	.04			4.52
Stearns		C.	T.			.02	.24	.02			1.69	.16		T.	.77	.01		.37	.27	.28	.03	T.	.04		.05		T.	.48	.08			4.50
Taylorsville		S.	T.				T.		.52	.22	.43	.13	.10	.82				.22	.50	.60				.12			.35	.01				3.92
Tyrone, Lock No. 5 [3][4]		K.				T.	.76	.03		.18	.48	.28		.25	.72			.65	.38	.48	.05	.02		T.	.16		.10	.80	.10			4.94
Williamstown		L.	.03				.90			.15	.87	.80		.50	.40			1.28	.03	.23		.02		.05			.25	.10				5.11
Woodbury, Lock No. 4[2]							.74			.16	.38	.14		.60	.38			.85	.28	.26	.02	.01		.02	.06		.14	.22	.02			4.27
Eastern Division																																
Annville [3]		C.	.01		T.	.01	.57			.07	.90			.70	.22			.53	.27	.38		T.		.04			.57	.20				4.42
Ashland [3]		O.	.03				.28	.16			.51	.28		.02	.95	T.		.33	.37	.19	.24				.07		T	.52	.09			4.04
Berea		K.					.57			.06	.87	.02		.74	.47		.40		.09	.25		.04		.01			.42	.07				4.01
College Hill, Lock No. 11[2]		K.	T.			T.	.40	.12			.80	.05			.98			.48	.15	.35	.08		.02		.03		.08	.42	.09			4.00
Cumberland		C.																														
Cynthiana [3]		L.	.50				.75			.18	.49	.35		T.	.70			1.09	.15	.16	.13			.09	.06	T.	.39	.11				5.15
Falmouth[2]		L.	.01	T.			.85	.09		.08	.31	.80		T	.72			.56	.71	.28	.04		T.	T.	.08	T.	.01	.22	.06			4.82
Farmers [3]		L.	.03	T.		T.	.45	.06		.07		.27		.08	.99			.40	.32	.21	.14	T.		.14			.07	.51	.07			4.71
Flemingsburg [3]		L.	.10				.60			.15	.75	.25			.81			.52	.45		.37					.19		.46				4.64
Ford, Lock No. 10 [3][4]		K.	T.	T.		T.	.52	.05			.95	.32		.07	.77			.53	.19	.29	.06		T.		.10		.07	.47	.06			4.45
Grayson [3]		O.	T.				.40	.20			.76			T.	.87			.45	.30	.20	.15							.70				4.03
Greenup, Dam 30[2]		O.	.01			T.	.35	.18			.64	.48		.02	.30	T.		.29	.47	.21	.22				.10		T.	.63	.04			3.84
Hazard [3]		K.	.10	.03		.02	.25	.02			.75			.05	1.10	.03		.85	.06	.30	.05		.02		.15		.05	.68	.15			4.16
Heidelberg, Lock No. 14[2]		K.					.36	.22			.75	.06		.01	1.00	T.		.41	.17	.30	.08		T.		.11		.07	.56	.07			4.22
Jackson [3]		K.	.45	.10				.28			.85	T.			1.03	T.		.48	T.	.43	.05						T.	1.00	.08			4.77
Jenkins [3]		B.	.10						.20		.22	.41			.82	.02			.44	.20	.09							.60				3.10
Lotisa [3]		B.				.02	.29	.08			.60	.40			.75			.26	.15	.37	.12				.06			.84	.07			4.01
Maysville, Dam 33[2]		O.	.03	T.		T.	.46	.21		.09	.62	.40		T.	.80			.58	.68	.36	.26				.17		.10	.30	.06			4.92
Middlesboro		C.				.03	.35			.84	.86	.02		.93	.10			.30	.44	.11	.12		.02		.09	.02		.66	.25				4.64
Mount Sterling		L.																														
Oneida [3][4]		K.									1.10							.52									.42	.78	.30			3.12
Oneonta Dam 35[2]		O.	T.	T.		.01	.57	.32	T.	.09	.22	.92			.24			.35	.67	.19	.05		T.	T.	.07		.11	.15	.08			4.04
Paintsville [2]		K.	.01				.28	.04			T.	.20			1.00			.40	.17	.35	.15				.10			.76	.10			3.66
Pikeville		B.	.14	.02		T.	.04	.06	T		.58	.07			1.41	.03		.35	.03	.16	.12		.01		.13	T.	T.	.59	.13			3.87
Pippapass		K.																														
Quicksand[2]		K.																														
Ravenna, Lock No. 12[2]		K.	.02			T.	.30	.06		T.	.81	.12			1.09			.43	T	.30	.08				.07		.08	.40	.13			3.89
Richmond		K.					.50	.10			.90			.30	.50			.60	.20	.20			.05		.10		.25	.30	.30			4.30
Valley View, Lock No. 9[2]		K.	T.				.50				.88	.11		.08	.84			.65	.09	.80	.08		T.		.08	T.	.08	.45	.05			4.17
Vanceburg, Dam No. 32 [3]		O.	.05				.62	.12		.03	.61	.50			.63	T.		.29	.58	.15	.21				.15			.52	.07			4.46
Williamsburg[2]		C.	.03				.12	.09			.95	.04			.41	.02		.16	.06	.12	.08	.06	T.	T.			.08	.24	.29			2.76
Willow, Lock No. 13[2]		K.	.03				.33	.31			.86	.09			1.12				.54	.11	.31	.08	.03		.07			.11	.36	.08			4.48
Winchester		K.				.01	.54	.04			.90	.29		.04	.89				.45	.32	.20	.06		.02		.06		.06	.48	.07			4.53

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. [4]Included in the next following measurement
T. Trace, or precipitation less than 0.01 inch. [5]Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for February, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	44	37	40	40	43	40	34	57	51	49	52	59	53	36	42	51	43	42	42	38	38	34	40	40	38	42	49	48	56	..	..	44.1
	Minimum	23	25	18	31	34	33	29	30	43	31	15	42	28	18	17	28	30	35	34	31	32	28	22	33	20	18	38	35	34	..	..	28.6
Calhoun	Maximum	44	39	39	40	44	40	34	56	52	41	51	59	52	38	42	53	43	42	41	37	38	34	40	42	38	41	50	49	56	..	..	44.0
	Minimum	26	26	14	32	34	38	29	30	43	31	16	40	29	16	19	31	31	35	34	35	32	29	24	29	19	19	37	31	34	..	..	29.0
Earlington	Maximum	46	43	40	40	43	41	35	57	65	42	53	56	56	38	45	54	50	42	43	38	38	35	42	40	41	42	51	50	57	..	..	45.6
	Minimum	25	28	15	35	36	33	30	31	33	32	16	35	27	20	20	32	32	35	34	32	33	32	23	35	33	18	39	36	35	..	..	29.5
Greenville	Maximum	47	40	41	39	46	40	35	59	55	51	54	59	53	38	43	52	48	40	40	37	35	33	38	40	37	39	50	50	57	..	..	44.7
	Minimum	23	24	11	31	33	31	28	28	42	29	14	41	27	15	15	29	39	33	33	30	30	27	26	33	18	16	36	33	32	..	..	27.5
Henderson	Maximum	51	37	42	39	37	38	32	56	48	40	51	59	48	39	45	50	42	40	40	37	38	34	39	37	32	41	50	54	57	..	..	43.2
	Minimum	29	22	12	31	34	30	28	30	39	30	16	42	27	17	21	28	29	35	36	32	31	24	22	31	17	18	37	42	29	..	..	28.2
Hopkinsville	Maximum	47	38	43	38	42	40	34	58	51	40	56	60	56	36	46	55	47	44	38	38	36	35	42	41	41	48	52	50	56	..	..	44.6
	Minimum	20	25	15	32	34	28	28	36	40	33	18	40	34	15	17	32	32	34	35	31	32	29	23	32	20	19	34	35	33	..	..	28.8
Loveluceville	Maximum	48	38	39	36	40	40	33	55	51	40	51	58	55	39	45	51	52	40	40	36	38	40	42	43	35	40	51	52	56	..	..	44.2
	Minimum	22	29	17	32	34	32	30	30	39	28	11	38	30	17	24	33	38	35	32	32	32	26	25	35	19	21	35	30	33	..	..	29.1
Mayfield	Maximum	48	45	39	38	41	40	34	56	55	41	53	57	55	37	45	53	52	42	42	37	39	39	42	42	37	42	53	52	57	..	..	45.3
	Minimum	25	29	19	33	34	32	30	30	40	29	20	44	30	18	25	35	35	35	32	32	33	27	29	36	20	24	42	33	35	..	..	30.6
Murray	Maximum	47	38	40	38	41	40	35	55	52	40	55	56	54	37	48	54	42	42	40	37	38	37	43	39	43	42	51	51	58	..	..	44.6
	Minimum	24	27	18	34	34	33	30	30	36	28	29	44	29	18	25	36	36	36	32	32	33	31	28	28	22	23	41	34	35	..	..	30.3
Owensboro	Maximum	42	27	35	35	37	35	35	55	46	40	45	53	37	37	28	46	39	39	38	37	34	35	39	37	27	36	46	40	50	..	..	39.0
	Minimum	24	20	11	30	32	32	26	29	39	30	13	35	25	15	18	26	29	33	35	30	30	29	23	33	17	19	34	32	32	..	..	26.9
Paducah	Maximum	47	36	38	38	41	34	34	56	47	38	51	55	52	40	46	53	40	41	39	38	37	38	42	41	34	49	51	50	58	..	..	42.7
	Minimum	18	26	18	30	34	32	30	30	31	32	18	18	32	20	20	24	34	34	33	33	33	28	28	28	20	20	25	33	34	..	..	27.1
Paducah (near)	Maximum	48	44	39	42	41	39	35	56	55	40	53	57	53	39	46	52	47	42	42	39	39	40	42	43	36	44	55	53	52	..	..	45.3
	Minimum	27	31	19	33	35	33	31	31	40	30	20	44	31	22	26	34	34	36	34	33	33	29	29	32	20	24	40	34	34	..	..	31.0
Princeton	Maximum	48	34	40	39	42	36	35	56	53	46	54	58	50	38	45	53	41	42	42	38	38	37	40	40	39	41	52	49	58	..	..	44.3
	Minimum	25	27	15	33	35	33	30	30	44	30	17	43	30	17	19	33	33	34	32	32	33	28	24	34	19	20	38	38	34	..	..	29.5
Russellville§§	Maximum	42	38	37	36	36	35	51	47	38	56	37	57	53	39	39	59	39	39	39	34	34	30	35	35	28	38	45	56	57	..	..	43.9
	Minimum	6	25	13	26	33	34	27	28	30	36	19	19	35	12	19	25	31	31	36	31	31	23	24	27	22	17	26	33	33	..	..	26.2
Central Division.																																	
Auchorage	Maximum	38	37	38	40	40	37	34	53	49	46	47	57	42	36	37	42	40	41	41	38	35	32	39	39	37	37	45	45	47	..	..	41.0
	Minimum	18	16	6	27	35	31	29	29	41	33	16	35	27	15	3	21	25	35	36	32	31	29	19	34	19	18	34	35	33	..	..	26.3
Bowling Green	Maximum	44	42	38	32	42	48	36	58	52	43	53	59	55	41	44	52	48	45	45	40	40	35	40	43	40	40	48	49	56	..	..	45.7
	Minimum	23	28	16	31	36	35	30	28	43	33	21	39	33	20	20	28	32	37	35	33	34	30	25	35	26	20	38	38	36	..	..	30.4
Danville	Maximum	39	36	37	43	40	47	35	55	49	50	60	62	50	34	37	45	44	51	48	40	36	33	41	40	37	41	45	46	50	..	..	43.8
	Minimum	16	20	14	27	33	34	28	25	40	37	25	37	30	20	11	22	27	35	39	32	32	28	19	35	26	16	33	35	33	..	..	27 9
Dix Dam	Maximum	40	38	39	44	42	56	37	55	56	58	50	61	57	33	39	45	44	51	51	43	37	35	42	40	40	42	45	45	50	..	..	45.3
	Minimum	16	22	9	27	36	36	30	29	41	46	27	39	38	23	14	24	29	37	37	33	33	31	22	36	27	19	37	35	35	..	..	29.9
Eubank	Maximum	42	36	40	45	43	55	46	57	50	63	62	62	55	53	42	53	50	54	52	49	44	41	37	41	38	42	43	44	57	..	..	48.1
	Minimum	12	18	5	22	32	33	25	25	40	34	24	31	35	20	15	24	29	35	37	31	31	24	18	29	24	15	24	31	34	..	..	26.1
Frankfort	Maximum	37	35	42	42	43	50	35	54	50	49	49	61	55	36	36	41	43	47	44	40	38	34	41	39	37	40	47	44	47	..	..	43.8
	Minimum	13	19	5	25	34	34	29	30	38	40	23	36	30	20	6	20	27	35	38	32	31	29	20	36	25	18	35	34	33	..	..	27.4
Glasgow	Maximum	44	43	43	44	42	43	35	58	58	53	52	60	59	35	43	52	52	47	45	40	37	38	41	42	39	45	49	50	57	..	..	46.5
	Minimum	17	25	11	26	35	34	25	19	43	40	22	40	34	20	19	24	31	38	38	33	29	21	26	25	19	29	37	35	..	..	..	29.6
Greensburg	Maximum	42	40	41	42	42	55	36	58	54	56	51	60	56	36	42	52	50	45	46	40	38	35	42	41	39	44	46	47	55	..	..	45.9
	Minimum	13	23	6	25	32	32	27	26	39	37	21	32	30	20	15	21	26	35	36	29	30	27	18	34	24	14	36	34	32	..	..	26.7
Irvington	Maximum	43	35	42	42	47	56	51	61	51	53	52	56	56	35	52	45	42	41	45	40	47	35	43	44	38	44	48	47	53	..	..	46.3
	Minimum	8	20	15	12	35	33	28	31	32	31	20	40	28	19	15	25	28	27	37	33	34	28	24	29	22	22	38	36	34	..	..	27.0
Leitchfield	Maximum	41	36	39	37	40	39	38	57	49	49	59	59	51	33	42	45	41	40	41	35	34	32	37	41	39	38	46	48	56	..	..	42.2
	Minimum	24	24	18	30	34	33	23	29	43	32	19	39	29	16	15	25	28	35	35	31	31	28	21	33	28	18	34	34	35	..	..	28.1
Lexington	Maximum	37	33	38	41	40	53	32	52	47	57	46	59	38	32	38	42	41	48	43	36	35	32	41	38	31	39	44	42	45	..	..	41.4
	Minimum	21	13	10	30	34	32	28	29	40	20	25	36	22	17	14	22	26	34	33	32	30	25	20	30	18	18	37	34	33	..	..	26.3
Louisville	Maximum	38	32	36	41	42	37	35	54	50	46	48	57	37	34	39	43	43	41	42	38	35	34	38	39	30	39	47	40	48	..	..	40.8
	Minimum	28	18	17	32	36	32	30	32	44	30	24	37	24	24	18	25	29	37	36	34	32	29	27	31	24	24	39	37	36	..	..	29.8
Do. Bowman Field	Maximum	38	33	39	41	41	37	32	54	48	42	47	57	36	34	37	39	39	41	41	37	35	33	39	40	32	40	46	40	50	..	..	40.2
	Minimum	22	17	10	31	34	31	28	30	43	29	22	36	24	11	8	21	24	36	34	32	32	25	23	30	23	22	36	35	34	..	..	27.0
Mammoth Cave	Maximum	42	39	40	36	41	54	35	55	51	39	58	58	54	47	43	58	46	45	48	41	40	35	40	41	38	43	48	48	57	..	..	45.7
	Minimum	16	22	4	28	33	31	26	26	41	38	13	39	27	10	15	28	27	34	30	30	30	20	15	32	21	10	37	34	31	..	..	25.8
St. John	Maximum	26	26	28	27	28	41	31	50	49	49	48	56	56	32	34	39	40	40	38	39	37	35	37	38	38	40	45	45	51	..	..	39.4
	Minimum	14	22	6	21	32	32	26	27	39	34	18	36	27	18	10	23	27	32	36	30	30	27	19	32	32	17	34	33	32	..	..	26.1
Shelbyville	Maximum	36	29	40	38	40	40	34	52	48	46	47	58	52	35	37	39	39	40	40	40	36	38	39	38	37	39	45	45	46	..	..	41.0
	Minimum	18	16	5	25	32	32	25	27	39	38	18	34	27	18	4	12	22	33	34	30	28	27	18	31	23	18	32	32	21	..	..	24.8
Smith's Grove	Maximum	42	32	40	39	52	52	33	56	49	48	50	59	40	36	42	51	45	46	42	40	38	34	39	39	35	46	48	46	57	..	..	44.0
	Minimum	20	29	13	30	33	37	29	29	41	44	18	38	36	20	19	26	32	37	40	32	34	30	20	35	26	18	38	37	34	..	..	30.2
Stearns	Maximum	44	30	40	38	52	58	36	58	56	60	52	62	53	34	41	50	50	48	45	44	42	34	40	45	40	46	54	50	56	..	..	45.5
	Minimum	24	30	10	29	30	40	29	24	44	44	25	35	47	20	16	22	30	36	42	32	30	28	21	35	26	14	40	38	32	..	..	30.1
Taylorsville	Maximum	40	36	40	42	43	44	35	55	49	48	50	59	47	34	40	41	41	43	42	38	37	38	40	41	34	40	47	48	50	..	..	42.8
	Minimum	18	16	5	27	34	33	29	31	39	32	24	37	28	20	4	17	22	35	36	36	31	21	23	20	19	20	35	35	31	..	..	26.0
Williamstown	Maximum	36	35	38	40	40	43	38	50	48	46	44	57	52	33	35	40	40	41	41	39	35	33	40	38	36	37	48	43	48	..	..	40.8
	Minimum	22	17	9	26	34	34	27	27	40	37	21	37	29	20	13	14	20	34	35	32	28	24	20	33	20	16	32	34	32	..	..	26.4
Eastern Division.																																	
Annville	Maximum	48	36	37	41	44	57	37	56	51	65	50	64	55	31	40	49	49	56	52	41	38	37	50	46	40	48	50	55	53	..	..	48.0
	Minimum	12	17	4	20	32	35	26	21	27	39	26	27	35	20	7	20	27	36	40	33	32	26	17	24	23	11	31	36	33	..	..	25.4
Ashland	Maximum	39	34	41	42	48	60	39	56	53	66	49	65	56	35	39	40	49	48	42	41	39	41	44	45	42	38	45	41	48	..	..	45.2
	Minimum	17	18	10	22	38	31	31	30	34	41	28	32	33	22	8	18	26	35	39	35	31	29	27	35	25	18	29	36	34	..	..	27.5
Berea	Maximum	41	37	36	42	41	56	38	45	57	66	49	63	60	36	40	48	57	56	56	42	38	36	43	48	..	48	47	46	49	..	..	[a]46.8
	Minimum	19	20	10	19	34	34	29	26	27	46	26	35	34	20	11	24	36	38	41	32	22	20	11	27	..	10	25	35	34	..	..	[a]26.6
Cumberland	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	34	34	35	39	39	38	38	55	56	50	60	60	55	36	39	44	46	46	43	36	35	43	43	39	37	44	45	44	..	..	..	42.6
	Minimum	11	17	2	18	33	32	30	29	31	42	26	26	33	21	2	14	26	36	39	33	31	22	24	34	24	12	31	35	33	..	..	25.8
Heidelberg	Maximum	42	39	40	42	42	47	41	59	54	69	59	65	61	34	38	47	47	47	48	45	40	37	42	42	39	45	43	48	..	..	..	46.3
	Minimum	15	22	8	23	27	32	32	27	30	41	40	28	34	22	8	15	27	37	41	34	34	26	24	33	27	13	32	39	36	..	..	27.7
Maysville	Maximum	35	35	39	41	42	53	37	53	49	54	47	59	55	33	39	39	44	45	45	41	37	40	41	40	39	37	48	42	43	..	..	43.0
	Minimum	14	17	5	20	34	33	30	30	36	39	27	31	31	21	6	11	25	36	38	34	30	28	26	35	26	14	35	34	..	..	..	26.8
Middlesboro	Maximum	44	38	..	39	48	59	41	54	49	60	49	..	66	36	41	52	52	52	49	45	37	36	45	44	39	43	45	53	55	..	..	[b]46.6
	Minimum	16	20	..	27	33	37	31	27	39	43	30	..	33	23	17	21	29	38	42	33	33	30	23	34	25	15	37	41	36	..	..	[b]30.1
Mount Sterling	Maximum	37	25	35	40	40	52	36	53	50	63	48	60	54	31	40	41	43	48	46	42	35	34	41	40	33	36	42	42	44	..	..	42.4
	Minimum	13	20	7	21	34	34	29	29	38	44	25	36	32	20	5	21	26	35	40	32	30	27	21	36	23	16	34	35	33	..	..	27.4
Pikeville	Maximum	42	35	38	42	47	66	36	52	60	71	52	66	55	38	41	49	54	57	50	38	41	38	47	46	40	47	56	56	60	..	..	47.9
	Minimum	26	32	8	20	33	32	35	25	27	44	35	26	45	23	14	16	25	37	41	35	34	30	28	34	30	15	30	40	36	..	..	29.3
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Richmond	Maximum	38	28	40	40	40	52	35	51	48	65	50	60	56	36	37	46	44	47	45	40	38	36	42	40	34	40	40	40	50	..	..	42 6
	Minimum	22	23	13	28	35	35	30	28	42	43	26	34	40	22	15	23	28	35	37	35	36	28	23	36	25	20	35	35	34	..	..	29.7
Williamsburg	Maximum	42	36	39	51	53	55	39	56	51	60	61	66	57	30	45	52	54	51	57	61	39	37	41	48	58	60	62	62	53	..	..	50.9
	Minimum	20	21	8	26	30	38	33	34	35	42	25	30	39	22	11	22	31	34	32	34	28	30	26	33	30	30	33	36	37	..	..	29.1
Winchester	Maximum	37	28	39	39	39	56	34	54	48	53	47	60	56	34	35	40	43	50	48	41	37	32	40	40	36	43	43	38	46	..	..	41.6
	Minimum	18	26	8	26	24	34	28	28	42	44	25	36	34	20	10	21	26	36	41	32	30	29	22	36	22	16	32	36	33	..	..	28.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

[a], [b] etc. indicate respectively 1, 2, 3 etc. days missing from record.

W. B. O. Louisville 3 15 40 1100

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., MARCH, 1940 No. 3

GENERAL SUMMARY.

Weather, colder than the average, with freezing temperature on most nights, prevailed until late in the month. The brief periods of warmth were accompanied by moderate to heavy rains, which interfered with the spring activities usual at this time. Because of these unfavorable weather conditions, progress with sowing tobacco plantbeds and other preparatory spring work was very slow. Such advances as occurred along these lines were largely determined by character of soil and drainage. The work proceeded haltingly, and only in those localities with the lighter and better drained soils. There was some plowing in such places in the second week and toward the end, but this was stopped by rain after slight progress. Most tobacco plantbeds were sown in the last decade, but frequent rain near the end of the month prevented completion of this work. For the same reason the planting of early potatoes was interrupted soon after it began. Somewhat better progress occurred with spring work in the western counties, where rainfall was generally lighter and there was more sunshine. All spring activities were from one to two weeks behind at the end of the month.

Prior to the last five days, vegetation remained as dormant as in a winter month. Livestock required the same care and heavy feeding. Because of the backward condition of pastures, there was considerable grazing of the more advanced winter grains. In some cases this grazing was too severe, leaving the plants in a weakened condition. Vigorous growth began in the short warm period at the end of the month, but grass had not come forward sufficiently to be of any use as pasture. Grain fields presented a variable appearance, ranged from very small plants in those sown late to normal size in the early sown. There was considerable irregularity in the stands of the earlier seedings, especially in the hilly sections, but little indication of important winter injury. Even the smallest plants seemed to be in good condition. Fruit buds were practically dormant at the end of the month.

TEMPERATURE.

The first 26 days averaged about four degrees below normal and culminated in the coldest weather of the month. In this period from the 22d to 26th inclusive, daily mean temperatures ranged from 13 to 25 degrees below the seasonal level. As a rule the coldest day was the 25th, when minima varied between 11° and 20° at most stations. Decidedly warm weather on the last four days reduced the monthly deficiency to about two degrees. Short periods of warmth also occurred in the periods 1st-3d and 17th-18th. Temperatures were below the average on nearly every other day, with deficiencies ranging from 5° to 15°. Extremes for the State were 81° on the 31st and 11° on the 25th at St. John.

PRECIPITATION.

Precipitation averaged slightly more than the normal amount for March. Most stations along or near the Ohio River from Ballard to Boone County and in the eastern border counties reported less than 4.0 inches. Several counties in the central part of the State from the lower Salt River Valley south to the boundary received from 6.0 to 7.0 inches. In other sections, which comprised most of the area of the State, precipitation varied between 4.0 and 6.0 inches. For the State as a whole it ranged between 2.08 inches at Uniontown and 7.33 inches at St. John. Moderate to heavy rains, in some cases excessive, fell in the periods 2-3d, 11-14th, and 28th-31st. Light to moderate showers, rather locally distributed, occurred on the 18th and 22d-25th. As a rule the heaviest rains fell on the 3d, when 24-hour amounts exceeding three inches were reported from some central stations. Snow was heaviest in the southern counties, where monthly amounts ranged from 3.0 to 6.0 inches. Elsewhere in the State most stations reported from 1.0 to 2.0 inches. Dates with thunderstorms were: 2, 11, 12, 13, 18, 29, and 30.

MISCELLANEOUS.

March 2-3.—A sudden rise in Salt River and Brashears Creek flooded the town of Taylorsville. Between 200 and 300 persons living in one-story dwellings were driven from their homes.

Rivers.—A rise early in the month lifted the water level in the Ohio to a stage of 35 to 40 feet at most stations along the north boundary of the State. Another moderate rise that occurred in the third week was subsiding at the end of the month.

Errata.—January, 1940, page 2: Mt. Sterling total snowfall should be 12.5. Taylorsville minimum temperature should be 18 on the 26th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.00	30.56	25	29.59	2	9.6	26	n	7	76	57	65	58
Cincinnati ..... Ohio	30.01	30.53	25	29.61	3	8.9	28	w.	20	78	53	65	47
Evansville..... Ind.	30.01	30.57	25	29.63	2	10.2	38	s	2	73	55	66	42
Louisville ..... Ky.	30.00	30.54	25	29.66	3	10.2	30	sw.	27	78	57	60	49

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. †Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	40.5	84	18	1.52	....	..	..	..	..
1890	41.2	78	4	8.34	....	..	..	..	..
1891	41.8	71	9	8.08	....	..	..	..	..
1892	40.6	82	7	4.08	....	..	..	..	..
1893	45.0	89	5	2.76	....	..	..	..	..
1894	50.8	86	10	2.72	....	..	..	..	..
1895	45.0	88	15	3.17	....	9	13	8	10
1896	41.1	80	8	6.16	....	12	9	9	13
1897	49.6	86	20	7.94	0.2	14	8	9	14
1898	50.7	84	16	7.59	1.0	13	8	9	14
1899	43.9	80	— 3	8.10	2.4	15	8	10	13
1900	42.8	81	— 3	2.58	3.9	9	11	8	12
1901	46.4	87	3	3.50	0.5	10	9	7	15
1902	47.2	82	7	4.44	6.1	11	10	9	12
1903	52.5	85	19	4.43	T.	12	9	7	15
1904	47.7	88	12	6.26	0.5	12	8	8	15
1905	52.2	86	22	4.45	T.	9	15	6	10
1906	39.2	75	3	6.37	2.0	16	6	5	20
1907	54.9	92	18	2.28	0.8	10	13	6	12
1908	51.8	88	19	5.42	0.7	13	10	7	14
1909	44.8	74	17	5.14	T.	11	11	7	13
1910	55.0	91	11	0.79	0.3	3	18	7	6
1911	46.0	87	7	2.57	0.6	9	14	5	12
1912	41.3	88	10	6.22	6.6	15	9	3	19
1913	46.5	85	9	7.22	0.5	10	12	7	12
1914	41.8	78	2	3.62	6.4	12	10	6	15
1915	37.8	65	11	2.11	3.5	8	12	5	14
1916	43.5	84	4	3.39	3.7	10	12	8	11
1917	45.9	84	0	6.52	8.1	14	13	6	12
1918	51.6	85	17	1.97	T.	8	15	7	9
1919	47.6	81	16	5.65	T.	9	15	6	10
1920	46.3	88	— 1	4.85	0.6	10	15	6	10
1921	56.7	87	19	5.75	T.	11	13	9	9
1922	49.4	83	19	8.11	0.5	14	9	6	16
1923	45.6	80	8	5.27	T	9	15	7	9
1924	41.5	81	14	3.05	1.8	9	9	5	17
1925	49.2	84	4	3.59	0.4	9	16	7	8
1926	40.2	84	4	2.80	2.3	11	12	6	13
1927	48.4	82	10	6.04	3.5	11	12	7	12
1928	45.6	85	12	2.64	2.7	8	12	8	11
1929	52.0	94	9	4.17	1.2	10	13	8	10
1930	44.5	76	9	2.17	1.2	9	15	7	9
1931	41.4	73	24	3.66	1.9	17	7	7	17
1932	41.2	80	4	4.95	1.5	10	11	8	12
1933	46.0	78	10	5.52	T	11	7	12	12
1934	43.6	80	5	4.83	2.1	13	12	7	12
1935	54.6	86	20	9.56	0.3	14	9	8	14
1936	50.7	81	19	4.85	8.2	11	14	8	9
1937	42.2	77	6	1.43	2.3	7	14	7	10
1938	53.7	86	11	6.29	T.	13	8	10	13
1939	49.4	90	15	5.78	T.	9	14	8	9
1940	43.9	81	11	5.04	1.9	10	16	7	14
Period	46.0	94	— 3	4.73	1.8	11	12	7	12

†52 year averages.

Climatological Data for March, 1940.

Stations.	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	44.4	− 3.2	80	31	19	25	37	5.72	+1.48	1.42	T	11	10	14	7	nw.	Eldred G. Young.
Calhoun	McLean	437	36	*44.7	− 3.7	75*	17	19*	25	37*	3.89	−1.18	0.72	1.0	12	13	4	14	.....	R. C. Bennett.
Earlington	Hopkins	420	46	46.6	− 0.8	81	31	20	25	35	3.93	−0.65	1.00	2.0	8	16	5	10	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	3.90	−1.72	0.71	1.0	9	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	481	.....	.....	.....	.....	.....	.....	.....	.....	3.66	.....	0.86	.....	9	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	43.8	− 3.5	80	31	17	25	40	5.99	+1.60	2.45	1.0	11	16	4	11	n.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	5.36	.....	1.38	2.0	12	8	4	19	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	44.4	.....	80	31	18	25	34	3.48	−1.93	1.16	T.	10	8	16	7	n.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	45.2	− 3.6	80	31	17	25	40	6.79	+1.92	2.30	2.5	10	15	7	9	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	46.5	− 2.4	78	31	16	25	34	3.97	−1.72	1.20	2.0	10	10	9	12	s.	Blaine Malone.
Mayfield	Graves	364	31	43.0	− 1.7	79	31	17	25	30	4.86	+0.83	1.16	6.6	11	11	10	10	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	47.0	− 1.6	79	31	17	25	33	4.95	−1.00	1.08	2.5	10	6	12	13	n.	Pat W. Wear.
Owensboro	Daviess	420	43	42.0	− 4.5	80	31	17	25	36	2.58	−1.69	0.57	T.	9	12	5	14	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	2.69	−1.08	0.69	0.5	14	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	48.3	− 0.1	80	31	21	25	33	4.37	−0.14	1.06	2.0	10	14	8	9	.....	Joe Lagore.*
Princeton	Caldwell	529	33	46.2	− 1.5	79	31	16	25	34	4.90	+0.80	1.48	3.0	9	10	10	11	n.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	4.09	−0.41	1.07	1.0	12	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	42.6	− 4.5	78	31	18	25	42	5.89	+1.12	2.00	.....	10	10	8	13	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	2.08	−1.85	0.92	1.0	12	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	3.62	−0.34	1.45	T.	11	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	41.6	− 2.8	80	31	17	25	43	5.62	+1.36	1.70	2.0	8	13	1	17	sw.	C. E. Barret.
Bowling Green	Warren	500	44	48.0	− 0.4	80	31	18	23	37	7.28	+2.18	2.45	2.0	9	12	6	13	w.	Mrs. Lillie G Causey.
Brownsville, Lock 6‡	Edmonson	410	12	.....	.....	.....	.....	.....	.....	.....	6.69	+1.46	2.96	1.0	11	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	6.10	+0.89	2.22	2.0	12	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	3.71	−0.11	2.46	1.0	7	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	4.54	+0.99	2.37	1.0	11	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	43.4	.....	78	31	18	25†	39	5.51	+1.81	1.70	2.5	12	10	4	17	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	44.5	.....	78	31	20	25†	37	6.26	.....	1.95	.....	9	7	9	15	nw.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	6.85	.....	2.35	2.8	13	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	44.8	− 0.9	78	31	12	25	43	4.17	−0.54	1.35	0.2	7	2	10	19	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	43.4	− 2.7	80	31	16	25	48	5.04	+0.66	3.17	0.5	7	8	5	18	w.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	5.48	+0.82	3.72	.....	8	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	45.2	− 2.0	77	21	16	25	39	5.04	−0.75	1.14	1.4	14	8	19	4	w.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	3.49	+0.47	1.85	.....	10	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	881	47	43.6	− 2.5	77	31	15	25	41	5.64	+0.57	1.52	1.2	12	3	1	27	sw	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	5.78	+1.48	2.18	1.8	13	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	43.6	− 3.2	76	29	17	25	36	4.88	+0.41	1.40	1.0	10	10	4	17	nw.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	4.90	.....	2.68	0.0	9	14	5	12	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	5.83	+0.98	1.85	.....	9	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	44.8	− 1.3	80	31	18	25	40	6.40	+1.88	2.60	2.0	10	8	5	18	w	D. Lem Hughes.
Lexington	Fayette	989	56	40.9	− 2.8	77	31	17	25	38	6.67	+1.75	2.64	1.0	14	.....	.....	.....	.....	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	6.32	+1.96	1.87	1.0	8	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	3.90	−0.54	2.05	0.5	9	.....	.....	.....	.....	Lockmaster.
Louisville	Jefferson	459	67	43.1	− 2.3	80	31	18	25	36	5.34	+0.95	3.17	T.	9	13	4	14	sw.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	2	42.2	.....	80	31	18	25	36	5.27	.....	2.59	T.	10	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	43.3	.....	80	31	15	9†	43	6.80	.....	2.70	2.0	12	13	2	16	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	6.26	.....	1.60	4.0	13	10	7	14	.....	E. O. Cooper.
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	5.53	.....	2.19	0.1	8	.....	.....	.....	.....	Chester Williams.
St. Joan	Hardin	777	44	40.8	− 4.2	81	31	11	25	38	7.33	+2.69	3.26	T.	15	10	10	11	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	5.56	+1.38	2.13	.....	11	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	41.5	− 3.1	78	31	15	25	35	6.48	+1.93	3.08	2.3	13	6	0	25	sw.	Willa S. Ratta.
Shepherdsville	Bullitt	500	3	.....	.....	.....	.....	.....	.....	.....	6.11	.....	3.30	T.	10	12	3	16	sw.	C. W. Cuernsey.
Smith's Grove	Warren	607	2	44.2	.....	78	31	16	25	39	6.29	.....	1.88	T.	11	.....	.....	.....	.....	Airway Station.
Stearns	McCreary	1400	4	45.8	.....	75	17†	14	25	32	5.97	.....	1.68	6.6	15	4	5	22	sw.	Airway Station.
Taylorsville	Spencer	489	34	42.3	− 3.3	78	31	18	25	43	6.67	+1.15	3.52	.....	6	17	8	6	w.	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	5.45	+1.80	2.75	1.2	7	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	41.8	− 1.9	77	31	15	25	42	5.42	+1.38	3.15	.....	15	14	10	7	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	5.39	+0.75	2.12	0.9	11	.....	.....	.....	.....	Lockmaster.
Eastern Division.																				
Annville	Jackson	.....	9	42.4	.....	77	31	14	26	52	5.19	.....	1.83	3.8	9	9	5	17	nw.	W. A. Worthington.
Ashland	Boyd	534	23	44.4	− 1.2	80	29†	15	26	51	4.79	+0.47	1.20	.....	11	7	5	19	w.	Lockmaster.
Berea	Madison	1070	37	44.4	− 2.2	77	31	17	26	40	5.28	+0.29	2.26	1.4	10	11	5	15	sw.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	5.01	+0.42	1.39	2.0	9	.....	.....	.....	.....	Lockmaster.
Cumberland	Harlan	1440	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Olon Cook.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	6.22	+2.02	3.35	1.0	8	.....	.....	.....	.....	N. Hill
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	5.40	+1.31	2.82	0.5	9	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	42.6	− 2.4	75	31	13	26	40	4.16	−0.31	1.25	1.5	8	5	15	11	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	5.45	+1.16	2.19	1.0	13	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	5.91	+1.75	2.22	.....	9	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	3.77	+1.09	1.35	.....	5	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	4.86	+1.18	1.15	0.5	11	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	4.08	−0.12	0.88	2.2	16	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	44.0	.....	74	28	15	26	44	5.70	+0.95	1.32	0.5	13	8	4	19	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	4.31	.....	1.26	3.0	8	.....	.....	.....	.....	Jas. T Goff.
Jenkins	Letcher	1666	14	.....	.....	.....	.....	.....	.....	.....	3.45	−1.26	0.77	1.2	13	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	3.67	−0.56	0.88	.....	9	.....	.....	.....	.....	Zeb Heston.
Maysville, Dam 33	Mason	524	42	42.6	− 1.7	79	31	15	26	46	5.48	+1.24	2.42	1.5	11	4	10	17	w.	Lockmaster.
Middlesboro	Bell	1128	41	*43.9	− 4.0	78*	31	16*	26	42*	4.67	−0.57	1.15	6.0	12	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	42.3	− 1.5	77	31	17	25	36	.....	.....	.....	3.0	.....	8	16	7	sw.	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	4.08	.....	1.20	.....	6	.....	.....	.....	.....	Garret Combs.
Omeonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	3.56	−0.25	2.21	1.5	9	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	4.15	.....	1.28	T.	10	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	636	4	43.6	.....	77	29	14	24†	49	3.38	−0.94	1.19	2.0	15	4	15	12	w.	U. S Weather Bureau.
Pippapass	Knott	1035.	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Caney Run Com. Cen.
Quicksand	Breathitt	792	14	.....	.....	80	31	13	26	....	3.97	−1.90	1.20	T.	5	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	651	21	.....	.....	.....	.....	.....	.....	.....	5.46	+1.50	1.53	.....	9	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	42.5	− 3.1	75	31	19	25	30	4.65	+0.26	1.40	.....	7	9	14	8	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	5.82	+1.14	2.05	1.0	9	.....	.....	.....	.....	Lockmaster.
Vancsburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	4.80	+0.16	1.77	1.0	10	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	47.2	+ 0.2	74	31	14	25	39	4.08	−0.57	1.68	4.8	14	11	10	10	.....	Wadely West.
Willew, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	6.86	+2.06	1.96	0.7	9	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	42.2	.....	75	31	16	25	29	6.11	.....	2.47	0.4	10	1	10	20	.....	Airway Station.
State averages and extremes	.....	.....	.....	43.9	− 2.1	81	31	11	25	52	5.04	+0.31	3.35	1.9	10	10	7	14	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, *, b, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. ¶ Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for March, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam..... G.		.74	1.42								.80	.10	.50	.15				.90					T	.11				.04	.43	4[8]		5.72
Calhoun..... G.		.43	.78	.02	T.						.72	.08	.56	.02									.01	.12				.01	.46	.24		3.89
Earlington..... G.			1.00								.10	1.00						.70						.19				.01	.59	.35		3.93
Fords Ferry Dam 50[2]..... O.			.50	T.	T.	T.					.47	.71	.30	.09	T.				.70		T.		T.	.92	T.		T.	T	.43	.08	T	3.80
Gilbertsville[3]..... T.		T.	.21				T.				.86	.61	.74	T.				T.	.14					.89	T.			.01	.30	.48	T	3.66
Greenville..... G.		.05	2.45								.95	.15	.62	.15				.42					T.	.15				.10	.45	.50		5.59
Hartford..... G.		1.38	.62	T.	.01						.70	.09	.60	.08				1.02						.06			T.	.10	.41	.93		5.36
Henderson..... O.		.04	.57								.69	T.	.31	T				1.16					.02	.03				.32	.27	.07		3.48
Hopkinsville..... G.			2.30								.55	1.10	.45	.18					.55						.15				.51	.57	.43	6.79
Lovelaceville..... M.		.07								.50	1.20	.50	.20					.62						.19				.04	.55	.10		3.97
Mayfield..... M.		.27	T.				.20				1.00	.04	1.10					.80		.06				.60				.01	.28	.44		4.66
Murray..... T.		.65					.15				1.08	.01	.59					.90		.23				.25					.62	.47		4.95
Owensboro..... O.	.05	.05	.57		T.	T.					.49	T	.82	T.				.65			T.	T.	T.				T	.29	.15	.01	2.58
Owensboro, Dam 46[2]..... O.			.49	.17		.01					.15	.35	.30	.03					.69				.01	.02	.03				.27	.11	.06	2.69
Paducah[2]..... O.			.36	T.		T.		T.			1.06	.91	.82	.03	T.				.28					.25	T.			.05	.46	.15	T.	4.37
Princeton..... G.		.37	.18	T.							1.48	.16	.66					.26						.69				T.	.51	.38		4.91
Rumsey, Lock No. 2[3]..... G.			1.07	.01							.31	.53	.58	.04	T				.90					.11	.03			T.	.34	.67	.10	4.69
Russellville[2]..... G.			2.00								.60	.40	.84	.38					.30					.17					.52	.62	.16	5.89
Uniontown. Dam 49[2]..... O.			.06	.11	T.						.25	.26	.05	.09	.01				.92					T.	.05	.02			T.	.24	.02		2.08
Central Division																																
Addison, Dam 45.[2]..... O.			1.45	.16	T.	T.					.01	.09	.20	.18					.77			.01	T.	T.	T.		T.	T.	.32	.29	.14	3.62
Anchorage..... O.		1.49	1.70	T.						.08				.09				.36					T.					.10	1.10	1.15		5.62
Bowling Green..... G.			2.45								.30	.87		.65		0.35					T.	.55							.18	.95	.98	7.28
Bowling Green No. 2[2]..... G.			3.44	T.							.65	.53	.24	.34					.29				.08	T.				T.	.65	.58	.27	7.07
Brownsville, Lock No. 6[2]..... O.			2.95								.48	.42	.35	.08					.34				.05	.69					.42	.77	.44	6.69
Burnside[2]..... C.			1.18	T.	.04						.28	.71	.23	.54	T.				.61			T.	T.	.07	.13				.07	1.46	.78	6.10
Carrollton Lock No. 1[2]..... K.			2.46	.04								.34	.10						.16										.10	.51		3.71
Cold Spring, Dam 36[2]..... O.			2.37	.60	.03	T						.07	.88	.01	T.				.08			T.	.01	T.	T			T.	.13	.49	.37	4.54
Danville[2]..... K.			1.53	.03	T.						.02	.16	.09	.43	T.				.69			.01			.04				.06	1.70	.75	5.51
Dix Dam, Burgin..... K.			1.58	.25							.12	.15	.46					.99										.12	1.32	.50		6.26
Eadsville[3]..... C.			.57		.02						.41	.55	.22	.50					.75				.04	.07		.06			2.35		.78	5.55
Eubank..... C.			.65									.71		.52						.72			.08	.14				1.35				4.17
Frankfort, Lock No. 4[2]..... K.			3.17	T.	T.	T.					T.	T.	T.	.08	.82	T.	T.		.28			T.	T.						.17	.48	.54	5.04
Gest, Lock No. 3[2]..... K.			3.72			T.					T.			.22	.04				.42			.05	T.						.25	.40	.38	5.48
Glasgow..... G.			.79	T.	.01							.38	.61	.27	.28				.49				.08	.05	.02			.02	.14	1.14	.80	5.04
Grant, Dam 33[2]..... O.			1.85	.05	T.	T.								.54	.20	T.			.65	T.		.03	.01						.69	.32	.35	3.49
Greensburg..... G.			1.28	.07							.17	.70	.15	.40					.54				T.	.09	.04				.04	1.52	.64	5.64
High Bridge, Lock No. 7[2]..... K.			2.18	.10	.02	T.					T.	T.	.07	.09	.43	.02			.81			.08	T.	.01					.06	.97	.94	5.78
Irvington..... O.		1.10	1.40								.14	T.	.65	.15				.78				T.		.02			.09	.21	.49		4.88
LaGrange..... O.		.07	2.08							.02			.47	.31				.07				T.					T.	T.	.28	.83	.22	4.90
Lancaster[2]..... K.		1.66	.01								.15	.10	.42					.75			.01		T.	T.	T.	.12		.03	1.85	.87		5.83
Leitchfield[2]..... G.		T.	2.60								.65	.20	.35	.45				.65					T.	.15				.50	T.	.70	.05	6.30
Lexington[2]..... K.		T.	2.64	.06	.02	.02	T.		T.	T.	.02	T.	.05	.15	T.	T.			.54			.11	.01	T.	T.	T.		T.	.11	1.10	.94	6.07
Little Hickman, Lock No. 8[2][4]..... K.			1.87								.08		.07	.36					1.30					.06						1.84	.74	6.32
Lockport, Lock No. 2[2]..... K.			2.05		.04					T.			.33	.28					.14		.05	T.							.23	.56	.22	3.90
Louisville[2][4]..... O.		2.51	.66	T.	T.						T.	.01	T.	.53	T.	T		.47		.01		T.		T.		T.	.12		.16	.87		5.34
Do. Bowman Field..... O.		2.59	.42	.01				T.	T.	.01	T.	T.	.52	T.	T			.40		.02		T.		T.		T.	.10	.12	1.08			5.27
Mammoth Cave[2]..... G.			2.70	.14							.47	.40	.27	.37					.45				T.	.13	.05				.35	.88	.59	6.80
Monticello[2]..... C.		.89			.08						.55	.62	.41	.50	.12				.52			.07	.19						.05	1.60	.86	6.26
Munfordville[2]..... K.			2.19	T.							T.	.86	.27	.39					.89	T.	.14									.98	.31	5.53
St. John..... S.		.12	3.26			.01					.33	.06	.32	.44				1.45	.04			.01		.01				.13	.29	.86	.01	7.73
Salvisa, Lock No 6[2][4]..... K.		.08	2.13	.02	.01						T.		.07	.42	T.				.86				T.	.10					.11	.89	.87	5.56
Shelbyville..... K.		.08	3.98	.03						.02			.26	.30	.02			.48	.08			.05	T.					T.	.23	.90	.09	6.48
Shepherdsville..... S.		3.30	.02							T.	.08		.31	.33				.87	.02				T.			T.	.03	.22	.93		6.11
Smith's Grove..... G.		1.88	T.	T.						.17	.90	.05	.57	.06				.81				T.	T.	.07				.10	1.28	.90		6.29
Stearns..... K.			.74	T.	.04						.72	.49	.01	.63	.01			.64	.22			.08	.03	.18				.06	.44	1.68		5.97
Taylorsville..... S.		3.32										.20	.30					.70										T.	.25	.90		5.67
Tyrone, Lock No. 5[2][4]..... K.			2.75		T.		T.				T.		.03	.38	T.	T			.69				T.						.18	.65	.77	5.45
Williamstown..... L.		.03	3.15	.07	.05	.02					.02		.33	.22	.03			.10	.09				.02					.02	.80	.95		5.42
Woodbury, Lock No. 4[2]..... G.			2.12									.37	.39	.51	.41				.33					.07	.02				.50	.53	.14	5.89
Eastern Division																																
Annville[2]..... C.			1.45				T.		T.	.45	.25		.32					.64					T.	.10	T.			.01	.14	1.85		5.19
Ashland[2]..... O.			1.07	.27								.08	.40	.19					.47			.09	.02						.09	1.20	.91	4.79
Berea..... K.			1.41				T.			T.	.13	.05	.06	.47				.26	.50				.03					.11	2.26		5.28
College Hill, Lock No. 11[2]..... K.			1.39	.05	T.	T.				T.		T.	.08	.41	T.				.94			.03			T.				1.15	1.00	.90	5.01
Cumberland..... C.																																
Cynthiana[2]..... L.			3.35	.12		.03			T.				.06	.39					.18			T.						T.	1.39	.70	6.22
Falmouth[2]..... L.			2.82	.28	T.	T.				T.			.52	.47	.01	T.			.20			T.	T.						.14	.50	.46	5.40
Farmers[2]..... K.			1.25	.11	.01					T.		T.	T.	.33	T.			.22			T.	T.	T.						.14	1.16	.94	4.16
Flemingsburg[2]..... L.			2.19	.06							.03			.40	.05				.36		.03	.11	.03	.04					.09	1.07	1.06	5.45
Ford, Lock No. 10[2][4]..... K.			2.22	.09	T.	T.	T.		T.	.01	T.	T.	.02	.43	.02	T.			.66			.06	T.	T.	T.				.07	1.53	.80	5.91
Grayson[2]..... O.			1.00									T.	.30						.30				T.		T.				T.	1.35	.82	3.77
Greenup, Dam 30[2]..... O.			1.15	.11	.02							.09	.35	.19					.85			.05	T.		T.				.09	1.00	.96	4.86
Hazard[2]..... K.			.88	.08	.02						.02	.06	.68	.40	.15				.35			.05		.05	.10	.05			.02	.62	.55	4.08
Heidelberg, Lock No. 14[2]..... K.			1.28	.24	.03	.01					T.	T.	.11	.01	.43	.09			.83					.04					.17	1.82	1.14	5.70
Jackson[2]..... K.			1.26	T.	.04							T.			.52	T.			.78					.05					.15	.88	.63	4.31
Jenkins[2]..... B.			.21	.51	.03						.05	.58	.18	.22	.21	.02			.31				.18	.22	T.						.77	3.49
Louisa[2]..... B.			.79	.37										.47	.19				.15			.08							.09	.70	.83	3.67
Maysville, Dam 33[2]..... O.			2.42	.37	T.	T.	T.			T.			.12	.30	.04	T.			.25			.04	.01		T.				.14	1.00	.84	5.48
Middlesboro..... C.			.34																													
Mount Sterling..... K.											.76	.53	.06	.04	.03			.42	.52			.08		.60					.14	1.15		4.67
Oneida[2][4]..... K.			1.20									.75		.40					.80										.31		.62	4.08
Oneonta Dam 35[2]..... O.			2.21	.10		T.	T.		T.	T.			.16	.13	T.	T.			.16	T.		T.	T.	T.	T.			.03	.14	.27	.37	3.56
Paintsville[2]..... B.			.75	.13	.04									.49	.20				.53					.03					.06	.64	1.28	4.15
Pikeville[2]..... K.			.36	.13	.02	T.	T.		T.	.01		.15	.01	.37	.26	T.			.61				.20	T.					.02	.05	1.19	3.38
Pippapass..... K.																																
Quicksand[2]..... K.			.96									.14							1.20										.97		.70	3.97
Ravenna, Lock No. 12[2]..... K.			1.20	T.	T.					T.		.10	.03	.53					.69					.06					.14	1.58	1.18	5.46
Richmond..... K.		1.40										.20						.90					.05					.10	.70	1.30		4.65
Valley View, Lock No. 9[2]..... K.			2.05	.05	.05							T.		.47	T.				.75			.03	T.						.05	1.60	.77	5.82
Vanceburg, Dam No. 32[2]..... O.			1.77	.26	.02	T.				T					.06				.48			.08	.02	T.					.03	1.08	.95	4.80
Williamsburg[2]..... C.			.15		.19			.22	.06			.25	.12	.08	.09			.05	.78				T.	.23				.06		1.68	.12	4.08
Willow, Lock No. 13[2]..... K.			1.66	.03		T.						.11	T	.56					.87					.06					.13	1.96	.98	6.36
Winchester..... K.			2.47	.09	T.			T	.01			.02	.45	.02	T.				.57				T.	T.	T.				.10	1.57	.81	6.11

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. [4]Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for March, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	72	71	60	44	43	46	40	41	49	51	42	43	56	41	49	60	73	67	60	54	58	62	37	33	36	51	68	63	65	66	80	53.9
	Minimum	35	53	43	37	34	31	25	28	20	33	33	33	39	39	28	40	36	50	32	39	32	27	26	21	19	24	37	60	55	50	49	35.0
Calhoun	Maximum	72	71	62	49	44	49	43	44	60	52	39	42	56	42	50	62	75	74	61	67	60	67	40	36	40	62	68	62	74	68	..	*65.0
	Minimum	35	62	42	37	33	31	27	28	22	32	33	33	40	27	25	39	38	38	32	43	34	28	25	22	19	25	34	52	55	60	..	*34.4
Earlington	Maximum	69	60	62	43	45	46	48	47	48	60	49	48	56	44	60	63	74	66	61	62	60	69	40	36	39	53	71	64	72	69	81	56.6
	Minimum	41	42	45	41	35	36	37	35	36	38	33	34	35	29	26	41	39	53	32	43	34	29	27	23	20	28	40	55	56	62	56	37.6
Greenville	Maximum	73	74	64	47	42	44	40	40	61	52	46	48	54	40	50	62	74	66	60	67	58	55	37	30	35	51	70	60	62	64	80	54.2
	Minimum	34	48	42	36	33	24	24	26	18	33	32	32	38	27	23	39	37	52	29	39	31	25	24	20	17	21	30	61	53	48	50	33.4
Henderson	Maximum	70	73	61	44	42	47	42	40	53	44	41	39	51	38	47	62	74	60	61	50	60	65	34	38	39	51	70	62	75	70	80	54.0
	Minimum	36	52	42	37	32	29	24	28	22	33	32	34	38	25	24	36	40	45	30	38	32	26	28	22	18	24	36	55	55	57	51	34.7
Hopkinsville	Maximum	75	70	68	46	40	48	40	43	52	58	48	58	56	40	63	67	74	62	62	58	58	59	44	38	32	39	64	69	66	62	68	55.0
	Minimum	35	46	45	38	36	25	28	28	21	34	35	34	46	28	23	38	40	50	32	38	34	26	28	21	17	24	40	50	52	50	51	35.3
Lovelaceville	Maximum	70	72	70	48	48	60	50	46	53	54	61	46	63	40	63	65	71	65	61	58	60	58	42	34	34	53	68	68	69	72	78	56.8
	Minimum	36	53	45	38	35	24	32	31	21	37	34	36	40	27	24	38	43	51	29	41	37	28	29	23	16	25	37	53	56	53	53	36.2
Mayfield	Maximum	72	71	59	48	48	62	50	46	53	56	54	54	56	41	54	66	70	64	61	57	62	69	44	35	32	57	67	68	67	73	79	57.4
	Minimum	42	67	42	39	36	28	32	32	26	37	36	37	40	27	27	43	47	49	34	42	35	30	30	19	17	27	45	54	55	63	64	38.5
Murray	Maximum	75	71	58	47	46	51	42	45	53	59	57	62	57	41	53	67	72	67	59	63	61	58	40	34	34	55	65	65	66	70	79	56.8
	Minimum	42	66	43	39	36	27	33	30	26	42	37	38	40	27	26	38	40	50	35	43	35	29	30	23	17	27	33	52	55	51	56	37.1
Owensboro	Maximum	69	64	55	43	44	44	39	36	46	48	37	37	40	39	46	45	72	68	56	42	56	55	41	36	35	49	64	59	74	75	80	51.1
	Minimum	35	50	42	35	31	30	26	27	21	33	28	29	32	33	25	22	33	36	46	29	38	32	25	22	21	17	25	35	45	45	50	32.8
Paducah (near)	Maximum	72	75	70	60	48	52	47	45	51	57	48	47	55	42	65	63	79	65	61	58	59	60	46	40	36	57	70	70	69	74	80	58.2
	Minimum	39	50	44	40	36	29	34	32	27	39	35	37	41	29	28	41	45	49	34	44	37	30	30	25	21	29	48	54	56	52	59	38.4
Princeton	Maximum	73	72	62	48	41	49	45	44	58	53	53	49	54	44	51	65	73	68	64	59	60	58	40	33	36	52	67	64	70	69	79	56.2
	Minimum	39	57	43	38	33	26	29	29	21	36	34	31	40	27	24	39	44	50	33	41	34	28	27	22	16	24	40	54	55	62	54	36.2
Russellville§§	Maximum	76	71	58	49	38	40	39	38	47	47	43	53	58	40	46	58	78	67	55	66	53	52	42	31	30	50	68	62	65	64	78	52.9
	Minimum	34	41	46	37	35	27	27	27	20	28	34	33	35	28	25	26	38	41	32	33	32	27	27	20	18	20	29	38	53	50	47	32.4
Central Division.																																	
Anchorage	Maximum	65	69	57	46	37	39	46	35	44	41	38	41	55	37	42	54	74	61	68	48	56	48	35	33	35	44	62	69	69	69	80	50.9
	Minimum	30	46	45	36	32	29	24	26	22	24	31	33	36	26	25	36	31	44	27	32	27	25	23	21	17	19	35	49	54	49	48	32.2
Bowling Green	Maximum	73	72	64	52	44	49	44	52	50	55	49	53	54	50	76	65	68	56	57	55	42	36	38	55	68	64	65	62	60	63	80	57.0
	Minimum	39	50	45	39	38	30	26	23	30	35	35	35	43	26	39	59	55	51	36	30	30	22	18	24	33	51	52	48	48	49	56	38.9
Danville	Maximum	68	72	64	47	40	42	42	40	48	46	41	40	62	42	45	57	78	70	59	57	57	53	40	35	34	48	70	73	65	65	78	54.0
	Minimum	34	44	46	36	34	30	24	24	29	30	31	30	38	27	24	38	33	61	31	35	28	25	25	19	18	18	31	44	52	45	44	32.8
Dix Dam	Maximum	68	72	67	48	40	40	40	40	49	47	41	39	59	48	48	67	74	63	63	67	59	56	41	38	35	46	70	72	69	64	78	64.4
	Minimum	32	46	45	38	36	32	32	28	31	30	34	32	38	29	26	32	40	46	35	38	30	28	26	21	20	20	33	44	53	47	45	34.4
Eubank	Maximum	72	71	65	56	46	43	43	43	50	54	50	54	58	55	43	60	73	71	63	60	58	54	45	47	43	65	72	69	63	76	78	57.9
	Minimum	29	51	45	35	32	29	20	25	24	28	31	31	41	26	23	35	29	45	33	31	25	22	23	19	12	18	43	54	44	40	41	31.7
Frankfort	Maximum	69	70	66	50	40	39	47	43	49	42	40	37	59	41	45	56	76	70	61	58	57	54	39	34	36	45	68	72	70	64	80	53.9
	Minimum	27	48	48	37	34	32	30	26	28	29	31	31	32	29	25	40	28	47	28	36	26	25	22	20	16	17	34	47	55	51	44	32.8
Glasgow	Maximum	73	71	69	46	41	46	46	40	48	56	56	53	66	42	47	61	73	73	60	59	54	54	43	38	36	62	63	66	64	64	77	56.7
	Minimum	34	48	45	38	32	28	26	29	21	29	34	36	41	25	26	41	32	48	34	37	31	29	29	21	16	24	31	52	55	48	49	34.6
Greensburg	Maximum	70	69	68	47	42	48	43	42	50	55	47	50	59	48	48	59	71	71	61	57	58	62	42	37	36	52	69	67	65	68	77	55.5
	Minimum	29	45	43	35	32	25	20	25	26	29	30	31	40	27	23	36	27	49	30	31	27	26	26	19	15	18	30	47	52	45	46	31.7
Irvington	Maximum	70	70	60	47	43	44	43	41	48	47	40	39	55	39	46	65	78	60	58	53	58	66	41	36	36	55	70	69	76	68	75	63.7
	Minimum	37	37	38	36	33	30	27	27	26	25	31	32	35	28	25	36	37	48	33	39	38	26	24	21	17	27	40	51	46	48	48	33.6
Leitchfield	Maximum	74	74	65	52	42	46	44	42	50	51	48	49	54	55	49	60	75	71	60	65	59	58	45	35	36	52	69	65	64	63	80	55.3
	Minimum	45	40	66	36	35	31	25	26	23	34	30	30	39	26	24	39	35	51	31	39	30	26	26	20	18	25	37	38	54	48	47	34.8
Lexington	Maximum	67	71	60	41	38	36	45	33	47	48	39	40	57	33	43	54	73	63	58	52	55	41	37	30	34	46	67	73	68	58	77	50.9
	Minimum	34	47	41	34	32	31	30	26	29	32	26	24	36	35	39	32	26	24	36	35	39	32	31	29	26	22	20	17	21	35	48	32.6
Louisville	Maximum	66	69	66	42	38	39	45	36	45	48	40	40	55	34	48	55	74	60	58	49	56	38	34	34	35	45	67	67	70	60	80	50.9
	Minimum	38	47	41	38	33	33	33	31	29	27	34	34	34	29	27	37	38	38	33	40	33	27	24	23	18	27	38	54	56	49	51	35.3
Do. Bowman Field	Maximum	65	68	57	42	38	39	45	36	45	42	39	38	55	33	49	55	71	60	59	47	56	39	35	34	34	45	67	68	70	60	80	50.8
	Minimum	33	43	41	37	33	30	26	26	25	32	32	33	38	28	26	37	36	37	31	33	30	26	24	23	18	25	37	51	53	49	50	33.5
Mammoth Cave	Maximum	73	70	64	47	41	45	41	47	49	66	41	48	56	41	48	61	74	65	60	53	54	51	38	33	36	54	68	65	64	62	80	54.5
	Minimum	33	52	42	35	31	25	19	17	15	30	30	31	38	25	21	40	31	61	30	37	26	29	25	19	15	17	36	49	48	45	47	32.1
St. John	Maximum	66	62	46	46	45	40	40	37	44	43	42	38	41	41	44	56	70	62	58	58	64	54	38	35	32	45	62	60	62	63	81	50.1
	Minimum	31	45	43	35	32	26	22	25	23	31	29	29	34	24	22	32	32	49	29	38	29	24	24	18	11	22	33	44	51	46	45	31.5
Shelbyville	Maximum	66	67	63	49	40	37	44	41	46	41	40	36	55	40	43	55	73	66	58	54	56	51	38	33	33	42	64	68	68	70	78	51.8
	Minimum	32	44	45	34	32	29	27	23	23	30	28	30	30	25	23	35	32	43	26	37	26	23	20	19	15	18	32	45	51	46	43	31.2
Smith's Grove	Maximum	73	69	69	44	42	46	40	39	48	55	45	50	56	42	47	61	73	62	60	52	58	50	38	31	36	52	67	64	61	60	78	53.6
	Minimum	36	50	44	37	35	30	24	28	23	34	33	35	41	28	25	40	34	47	34	38	30	27	28	20	16	24	38	49	54	48	47	34.7
Stearns	Maximum	72	70	52	41	37	38	41	39	46	54	46	54	56	50	46	60	75	68	58	58	51	48	40	34	33	49	62	59	51	58	75	52.4
	Minimum	40	55	53	36	38	29	22	28	28	31	34	36	27	26	34	36	38	36	38	28	31	25	15	14	18	28	39	53	53	40	40	34.2
Taylorsville	Maximum	68	70	64	58	40	40	45	37	47	44	39	39	57	42	45	65	73	57	48	50	58	54	36	34	35	40	67	70	68	60	78	52.5
	Minimum	25	53	42	27	33	29	24	26	27	31	32	31	38	28	26	28	29	42	29	36	29	26	24	21	18	20	30	45	50	51	45	32.1
Williamstown	Maximum	61	65	64	49	39	34	48	45	40	43	42	36	55	41	40	51	74	67	58	53	55	50	36	30	30	46	65	74	70	65	77	51.4
	Minimum	31	42	49	37	32	31	30	25	20	30	27	27	30	28	22	35	32	49	28	39	26	24	20	17	15	19	38	47	55	46	46	32.1
Eastern Division.																																	
Annville	Maximum	73	74	62	47	55	51	48	45	52	54	52	47	61	54	45	59	74	67	59	58	55	42	40	38	38	41	69	6	67	57	77	55.6
	Minimum	21	42	42	36	33	30	19	20	30	32	25	30	30	29	25	31	25	35	34	26	21	28	26	21	17	14	24	37	42	40	37	29.1
Ashland	Maximum	65	66	70	52	44	40	50	40	43	50	44	38	57	54	40	54	79	70	60	59	57	57	40	37	34	44	71	72	80	70	81	56.4
	Minimum	27	41	49	39	32	32	32	25	31	30	26	25	39	31	26	37	28	40	38	35	32	31	24	19	20	15	33	49	50	45	41	33.5
Berea	Maximum	68	73	70	48	39	38	42	43	47	47	43	45	61	53	40	57	74	74	57	56	58	53	38	38	38	48	69	74	69	73	77	54.7
	Minimum	36	57	47	36	34	30	29	25	29	30	32	31	42	27	19	35	35	34	34	40	21	30	26	30	18	17	38	53	55	45	44	34.2
Cumberland	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	66	70	71	53	39	35	45	45	44	44	43	38	60	60	39	64	73	73	57	55	54	54	39	33	32	42	69	70	70	69	75	53.9
	Minimum	26	45	50	38	35	31	30	22	31	26	28	28	31	29	25	34	25	44	35	29	22	28	22	18	19	13	31	46	50	45	38	31.4
Heidelberg	Maximum	72	73	71	52	39	39	48	44	48	48	44	48	62	59	45	59	67	67	60	57	57	48	40	36	36	48	68	74	72	68	77	55.4
	Minimum	28	41	52	39	36	33	32	26	32	27	34	31	41	32	27	41	26	34	36	30	24	32	29	24	18	15	28	41	43	48	36	32.6
Maysville	Maximum	68	68	64	51	40	36	45	40	43	47	43	37	59	47	39	51	74	69	58	56	58	51	38	32	38	43	67	72	68	69	79	52.8
	Minimum	27	42	48	39	35	33	31	26	32	29	29	29	33	29	24	35	28	42	35	29	25	29	23	20	19	15	30	43	58	46	42	32.9
Middlesboro	Maximum	..	70	67	..	..	..	48	32	48	58	45	42	52	54	48	62	70	65	67	62	70	65	47	42	44	44	61	..	66	62	78	*54.0
	Minimum	..	42	47	..	..	..	22	44	30	27	36	41	46	31	27	32	28	36	40	31	28	35	29	23	20	16	31	..	55	46	46	*33.8
Mount Sterling	Maximum	66	70	61	48	38	34	45	39	44	42	40	37	59	59	41	53	72	63	56	53	55	39	36	29	33	42	67	75	70	65	77	51.8
	Minimum	30	46	48	37	34	30	32	25	30	29	28	31	28	24	27	37	30	47	32	38	26	26	22	20	17	18	48	35	58	45	43	32.8
Pikeville	Maximum	70	76	57	50	42	39	48	42	41	49	44	48	60	51	48	61	78	71	61	65	59	50	42	28	32	46	72	76	77	60	72	55.3
	Minimum	30	42	44	40	37	33	32	30	26	26	36	35	42	28	28	32	28	36	34	31	25	29	27	14	14	15	26	41	46	42	38	31.8
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	49	76	77	77	74	80	.....
	Minimum	25	40	46	36	33	30	29	25	26	23	31	29	36	29	30	32	24	32	35	27	29	30	26	20	16	13	22	39	43	44	33	30.1
Richmond	Maximum	63	72	60	42	40	40	45	37	45	45	40	43	42	40	46	43	55	60	58	50	55	40	36	32	35	46	68	72	72	67	75	50.2
	Minimum	35	50	52	38	35	30	30	28	30	33	30	30	38	34	25	34	33	35	35	30	30	28	25	20	19	22	35	50	56	47	45	*33.8
Williamsburg	Maximum	70	71	58	41	49	56	62	71	70	66	59	59	68	58	55	58	71	71	58	71	70	59	52	51	47	64	71	67	66	58	74	61 3
	Minimum	31	39	33	31	33	30	32	35	38	40	33	32	38	27	21	33	32	39	28	36	28	29	27	28	14	31	35	40	33	39	40	33.0
Winchester	Maximum	68	70	53	47	39	36	45	40	46	43	40	36	58	42	41	54	72	62	56	52	56	51	36	29	33	44	68	71	65	60	75	51.1
	Minimum	33	47	51	36	34	30	29	25	30	31	30	29	35	27	24	37	34	48	32	32	27	25	24	20	16	19	36	50	53	45	44	33.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
,,* etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville. 4-27-40-1100

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., APRIL, 1940 No. 4

GENERAL SUMMARY.

The month began with a few warm days that sharply stimulated early growth. After this cool weather prevailed, with temperatures rarely rising to the seasonal level. Severe freezes from the 12th to 14th caused extensive injury to blossoming fruit. Even early apples in low lying areas were injured. Young clover was also frozen out in places. In districts where temperatures fell 10° or more below freezing, tobacco plants suffered variable damage. As a rule, however, the canvas covering on the beds served to protect most plants. Peaches that survived the winter and bloomed early in the month were severely damaged at this time. One effect of the continued cold was to greatly prolong the period of blossoming for pears, cherries and apples and also to retard the development of strawberry buds. By this delay much fruit was preserved through the unfavorable weather.

Frequency of moderate to heavy rainfall seriously interfered with farming operations. There were short intervals in the first and last weeks when the soil could be worked. Practically all of the last week was favorable for soil preparation in central and eastern districts. Corn and cotton planting began in the last week. Progress was good in the extreme west, but there was a mere beginning of corn planting in other sections.

The winter grains made irregular growth, especially in those places with slow drainage. Super-saturation of soil and lack of sunshine were contributing elements, but there were also differences in growth that seemed to be connected with the bare survival of plants during the dry autumn. In such fields the appearance was patchy because the weakened plants failed to come forward with the stronger growth. There was considerable yellowing of grains on the slower drainage. Potatoes were planted when opportunity offered all through the month. Too much water in the soil caused some seed to rot, affecting the stand. Very little gardening occurred until the last week. Tobacco plants began to come up in the first week, but remained much undersized. Oats were sown with difficulty, but stands were good. At the end of the month most vegetation was at least two weeks behind. Soil preparation was fairly good on the limestone uplands, but far behind in the western counties where the rain was heaviest.

TEMPERATURE.

On the first four days temperatures ranged from 10° to 25° above normal. For the remaining 26 days mean temperatures averaged about 5° below the seasonal level. In the period 12-14th, which was the coldest, minima varied between 21° and 29° in most sections. Freezing temperatures occurred rather generally in northern counties in the period 20th-22d. Largely because of prevailing cloudiness maximum temperatures, with a few exceptions, were unusually low. Extremes for the State were 89° at Williamsburg on the 2d and 19° at Farmers on the 14th.

PRECIPITATION.

Precipitation averaged considerably above normal, but the excess was mainly in the western counties and in northern districts eastward to the lower Licking. In those sections amounts varied between 4.5 and 7.0 inches at most stations. In the south-central and most eastern districts the range was between 2.5 and 4.0 inches. For the State amounts ranged between 2.57 inches at Pikeville and 8.44 inches at Beaver Dam. Showers occurred locally from the 1st to 4th and on the 30th. The rainfall was somewhat more general in the periods 7-9th and 22d-24th. Precipitation was moderate to heavy in central and western districts on the 11th and 12th, but light to moderate in eastern sections. Heavy rains visited most of the State in the period 17th-21st. Snow ranging from a trace to 2.5 inches fell in the period 12-14th. It was heaviest in the Green River Valley and at some mountain stations. Days with thunderstorms were: 1, 2, 3, 4, 6, 7 11, 17, 18, 29, 30. Heavy hail was reported from Christian, Todd and Trigg counties on the 30th.

MISCELLANEOUS.

April 30.—Windstorms, apparently not tornadic, caused extensive damage in western Kentucky. The damage was mostly to barns and outbuildings. Estimates of damage by counties are as follows: Carlisle $50,000; Ballard $42,000; Daviess, 1 person injured; Hopkins $2,000; Livingston $3,000, 1 person killed: McLean $10,000: McCracken $7,000.

Rivers:—A sharp rise in the Ohio River, caused by heavy rains in the period April 17-20th, brought the river to flood stage along the border of the State from the 20th to 22d. Some crests were as follows: Cincinnati, 60 feet on 25th; Madison, 50.8 feet on the 25th; Louisville, upper gage, 35.0 feet, lower gage 61.9 feet on the 26th; Evansville 43.7 feet on the 26th. It continued to rise at Cairo at the end of the month. The damage was mainly to flooded crops growing on lowlands in the Green River Valley and along the lower Ohio. The slow recession of the flood waters from the western bottoms also delayed plowing and planting.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity			Percentage of sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av., hourly velocity.	Maximum velocity.	Direction.	Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	
Cairo .....Ill.	29.94	30.47	12	29.55	15	11.3	34	n.	11	72	54	58	53
Cincinnati .....Ohio	29.98	30.43	27	29.56	20	9.5	26	e.	19	74	51	60	45
Evansville..... Ind.	29.96	30.41	12	29.43	30	11.2	56	sw.	30	73	52	55	50
Louisville .....Ky.	29.96	30.39	27	29.55	15	10.5	32	s	30	77	54	60	53

COMPARATIVE DATA FOR APRIL.

Year.	Temperature.			Precipitation		Number of days			
	Mean.	Highest.	Lowest.	Average.	Average snowfall	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	57.0	89	24	1.61	....	..	..	..	..
1890	57.0	92	28	4.04	....	..	..	..	..
1891	58.0	92	24	2.52	....	..	..	..	..
1892	56.0	88	22	7.12	....	..	..	..	..
1893	58.0	94	21	6.99	....	..	..	..	..
1894	56.0	94	23	3.54	....	..	..	..	..
1895	57.2	94	22	3.18	....	9	13	8	9
1896	63.6	96	24	1.65	T.	6	13	12	5
1897	55.5	90	25	6.03	T.	11	11	9	10
1898	52.4	86	19	3.38	1.1	9	12	8	10
1899	57.2	96	20	3.16	0.3	9	13	8	9
1900	56.2	90	15	2.15	T.	8	14	8	8
1901	50.9	91	23	4.01	2.6	10	11	5	14
1902	54.2	93	22	2.65	0.1	9	14	9	7
1903	55.4	90	22	4.43	T.	12	10	7	13
1904	50.8	85	16	2.83	1.7	11	10	7	13
1905	56.7	91	23	3.00	0.2	9	12	8	10
1906	59.5	94	23	1.40	0.0	6	17	7	6
1907	48.2	87	19	2.78	0.2	11	10	5	15
1908	59.8	89	23	6.56	0.8	14	12	6	12
1909	56.1	96	21	5.98	T.	10	14	7	9
1910	55.4	88	23	5.14	0.7	14	12	6	12
1911	53.8	90	20	7.06	T.	14	11	5	14
1912	58.4	87	25	7.90	T.	12	11	7	12
1913	55.3	89	27	2.73	T.	10	14	5	11
1914	55.7	91	13	3.62	T.	10	11	8	11
1915	60.1	96	17	0.96	0.0	5	17	8	5
1916	54.0	89	23	2.64	1.4	9	11	8	11
1917	55.8	90	19	5.02	0.5	8	14	7	9
1918	53.9	87	25	4.07	0.3	12	8	8	14
1919	56.7	89	19	3.51	0.0	10	13	7	10
1920	50.8	89	22	6.16	0.2	13	9	8	13
1921	58.2	90	22	4.09	T.	10	15	7	8
1922	59.5	88	25	4.25	0.0	10	14	8	8
1923	54.8	90	13	4.88	0.0	9	15	6	9
1924	57.4	93	19	3.41	0.1	10	13	7	10
1925	61.2	88	23	3.16	0.0	10	14	7	9
1926	51.6	87	16	3.17	T.	10	13	7	10
1927	58.7	92	22	6.39	T.	15	10	8	12
1928	52.9	83	21	4.20	0.6	11	11	9	10
1929	60.1	90	23	3.57	0.0	10	14	8	8
1930	58.9	94	21	1.31	0.0	6	16	8	6
1931	55.9	89	25	4.52	0.1	8	15	6	9
1932	56.4	86	25	3.88	T.	10	13	6	11
1933	55.7	87	27	4.74	0.0	13	14	7	9
1934	56.9	90	24	2.16	T.	8	13	10	7
1935	55.3	92	24	4.42	T.	12	10	6	14
1936	53.1	90	19	4.79	0.1	11	11	8	11
1937	55.9	91	22	4.38	0.0	12	11	8	11
1938	59.3	91	22	2.85	T.	9	14	8	8
1939	53.7	91	21	6.07	T	13	11	8	11
1940	54.1	89	13	4.88	0.1	11	10	7	13
Period	56.1	98	13	4.02	0.3	10	13	7	10

†52-year averages.

Climatological Data for April, 1940.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	54.9	− 1.0	85	1†	26	12†	38	8.44	+4.32	3.15	T.	12	11	3	16	sw	Eldred G. Young.
Calhoun	McLean	437	36	°55.6	− 2.8	87ª	1	27ª	12	42ª	4.92	+0.69	1.32	0	10	14	2	14	.....	K. C. Bennett.
Earlington	Hopkins	420	46	56.8	− 1.0	86	1	28	12†	38	4.57	+0.47	1.08	T.	11	14	3	13	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	6.01	+2.57	1.51	0	14	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	4.25	.....	0.78	T.	12	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	54.5	− 2.8	86	3	24	13	40	7.14	+2.78	2.85	0	11	14	5	11	n.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	5.85	.....	1.40	T.	11	12	5	13	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	54.6	.....	86	1	26	12†	39	7.37	+3.44	2.17	0	8	12	10	8	n.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	55.3	− 2.3	86	1	27	12	37	6.64	+2.33	3.22	0	10	18	6	6	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	56.5	− 1.4	83	1†	27	13	32	6.73	+2.94	1.80	0	9	12	9	9	s.	Blaine Malone.
Mayfield	Graves	364	31	°56.4	− 1.9	83	3	27ª	12	34ª	7.21	+2.95	1.60	0	12	11	9	10	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	56.8	− 1.2	83	1†	27	13	42	5.28	+0.87	1.80	0	9	6	13	11	sw.	Pat W. Wear.
Owensboro	Daviess	420	43	54.6	− 1.1	85	4	26	12†	36	6.01	+2.05	1.30	T.	11	13	2	15	se.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	6.33	+2.85	1.27	T.	12	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	.....	.....	.....	.....	.....	.....	.....	5.38	+0.96	1.05	T.	14	.....	.....	.....	.....	Joe Lagore.*
Princeton	Caldwell	529	33	56.0	− 2.2	84	1†	26	13	38	4.29	−0.06	1.34	0	11	8	7	15	n.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	3.87	−0.27	1.17	T.	12	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	53.4	− 4.0	85	2	25	13	40	4.75	+0.15	1.77	0	12	16	3	11	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	6.71	+3.28	1.51	0	14	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	5.60	+1.91	1.36	T.	13	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	52.3	− 1.5	84	2	24	13	44	6.85	+3.05	1.79	T.	9	17	.....	12	nw.	C. E. Barret.
Bowling Green	Warren	500	44	57.1	− 1.4	87	1	25	13	43	4.51	+0.17	1.50	0	8	15	5	10	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	5.31	+0.95	1.53	0	12	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	5.16	+0.96	2.57	0	12	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	4.46	+1.81	1.36	0	6	.....	.....	.....	.....	Lockmaster.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	7.42	+3.76	2.31	0	10	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	53.8	.....	87	2	19	13	40	2.88	−0.95	0.71	T	11	13	3	14	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	55.2	− 1.6	85	2	25	13	41	3.44	+0.34	0.86	0	9	9	7	14	se.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	4.48	.....	2.25	T.	11	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	°53.9	− 0.7	88b	2	21b	13	40b	3.25	−0.69	0.90	0	7	4	10	16	n.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	52.6	− 3.1	85	15	23	14	48	5.16	+1.39	1.85	T.	10	7	7	16	ne.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	5.60	+1.86	1.25	T.	11	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	56.4	− 1.3	84	2	25	14	37	4.14	−0.15	0.98	0.5	15	5	19	6	se.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	7.14	+3.80	2.53	0	11	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	54.2	− 1.3	88	2	21	13	40	2.70	−1.19	0.84	0.8	9	3	3	24	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	3.36	−0.16	0.90	T	10	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	53.6	− 2.6	81	2	24	12	39	6.41	+2.45	1.91	T.	10	11	8	11	sw.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	7.08	.....	1.75	T.	12	13	8	9	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	3.34	+0.22	0.81	0	8	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	54.2	− 1.7	85	1†	24	13	37	6.94	+2.68	1.40	2.5	12	9	6	15	sw.	D. Lem Hughes.
Lexington	Fayette	989	56	51.6	− 2.7	84	2	24	13	37	4.81	+1.31	1.45	T.	14	.....	.....	.....	.....	U. S. Weather Bureau.
LittleHickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	2.82	−0.58	0.97	0	7	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	7.11	+3.38	1.84	0.5	11	.....	.....	.....	.....	Lockmaster.
Louisville	Jefferson	459	67	53.8	− 2.6	85	2	27	12	33	7.21	+3.33	1.97	T.	9	11	8	11	ne.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	52.7	.....	85	2	26	13	35	6.80	.....	1.76	T.	9	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	54.2	.....	86	2	21	13	40	4.92	.....	1.15	3.0	13	16	0	14	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	4.45	.....	1.90	0	11	10	6	14	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	8.57	−0.20	1.82	1.1	5	.....	.....	.....	.....	Chester Williams.
St. Joun	Hardin	777	44	52.8	− 1.9	80	21†	23	13	40	5.63	+1.39	1.29	T.	13	14	5	11	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	28	.....	.....	.....	.....	.....	.....	.....	4.30	+0.64	1.00	T.	10	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	51.2	− 3.4	83	2	22	13†	38	6.21	+2.30	1.70	T.	11	5	0	25	n.	Willa S. Ratta.
Shepherdsville	Bullitt	500	3	.....	.....	.....	.....	.....	.....	.....	5.49	.....	1.49	T.	8	14	3	13	sw.	C. W. Cuernsey.
Smith's Grove	Warren	607	2	53.3	.....	83	1	24	12†	42	4.55	.....	1.29	T.	9	.....	.....	.....	ne.	Airway Station.
Stearns	McCreary	1400	4	55.2	.....	87	2	20	13	40	5.29	.....	1.49	T.	14	2	10	18	sw.	Airway Station.
Taylorsville	Spencer	489	34	52.8	− 1.9	85	2	24	14	43	4.31	+0.36	1.50	0	8	20	6	4	e.	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	5.08	+1.09	1.27	0.1	11	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	52.5	− 1.0	82	15	24	12†	37	7.16	+3.72	1.70	0	13	14	5	11	w.	Lucille B. Simpson.
Woodbury, Lock 4‡	Butler	501	23	.....	.....	.....	.....	.....	.....	.....	4.87	+0.75	1.22	T.	12	.....	.....	.....	.....	Lockmaster.
Eastern Division.																				
Annville	Jackson	.....	9	52.7	.....	87	2	20	14	41	3.03	.....	1.04	T.	11	7	11	12	sw.	W. A. Worthington.
Ashland	Boyd	534	23	53.0	− 2.6	82	3	25	13	43	3.11	−0.49	1.12	0	10	8	8	14	nw.	Lockmaster.
Berea	Madison	1070	37	°55.1	− 0.7	88e	2	18e	13	37e	3.32	−0.33	0.86	T.	14	11	3	13	n.	Matthew H. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	3.15	−0.07	1.01	T	9	.....	.....	.....	.....	Lockmaster.
Cumberland	Harlan	1440	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Olon Cook.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	4.86	+1.20	1.19	0	7	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	6.20	+2.52	1.66	T.	9	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	51.0	− 3.5	80	2	19	14	43	3.29	−0.41	0.91	T.	13	7	7	16	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	4.40	+0.51	1.16	.....	8	..	..	..	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	21	.....	.....	.....	.....	.....	.....	.....	3.69	+0.44	0.83	0	10	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	3.18	+0.16	0.90	0	7	.....	.....	.....	.....	Mrs Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	3.66	+0.17	1.50	0	11	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	4.51	+1.22	1.48	.....	13	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	54.0	.....	86	15	22	14	51	2.72	−0.60	0.89	T.	12	9	3	18	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	3.52	.....	1.20	1.0	9	.....	.....	.....	.....	Jas T Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	2.77	−1.07	0.94	.....	9	.....	.....	.....	.....	R. J Howard,
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	3.06	−0.26	1.06	.....	10	.....	.....	.....	.....	Zeb Hestou.
Maysville, Dam 33	Mason	524	42	52.1	− 2.2	82	15	23	14	44	4.46	+0.89	1.13	0.1	12	5	13	12	e.	Matthew Woodson
Middlesboro	Bell	1128	41	b56 6	− 0.1	85b	2	28b	6	35b	4.81	+0.33	1.16	0	15	..	..	..	.....	W. R McKee.
Mount Sterling	Montgomery	930	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	3.74	.....	1.34	0	6	.....	.....	.....	.....	Lockmaster.
Oneonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	6.31	+2.37	1.95	T.	13	.....	.....	.....	.....	A. L. Donta.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	3.07	.....	1.09	T.	10	.....	.....	.....	.....	U. S Weather Bureau.
Pikeville	Pike	636	4	55.0	.....	86	3	25	14	47	2.57	−1.01	1.34	0.5	14	4	14	12	e.	C. Caney Run Com. Cen.
Pippapass	Knott	1035.	6	53.2	.....	80	15†	23	13	42	3.75	.....	0.87	T.	13	4	17	9	w.	R. W. Jones.
Quicksand	Breathitt	732	14	..	.....	.....	.....	21	14	...	2 64	−1.59	0.70	T.	5	.....	.....	.....	.....	Lockmaster.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	3.53	+0.42	1.11	T.	9	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	54.4	− 1.7	85	2	22	13	35	3.50	−0.09	0.90	T.	11	13	7	10	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	3.68	+0.30	1.12	T.	10	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	3.72	−0.02	0.83	T	10	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	55.6	− 1.0	89	2	24	13	40	4.58	+0.33	2.24	0	9	10	5	15	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	6.08	+2.81	2.21	0	10	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	52 9	.....	80	21	23	13	38	3 19	.....	1.06	T.	10	3	17	10	s.	Airway Station.
State averages and extremes	.....	.....	.....	54.1	− 2.0	89	2	19	13†	61	4.88	+0.86	3.22	0.1	11	10	7	13	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, *, b, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
¶Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for April, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G			.00				1.08	.04	.02		1.32	T.					3.15	.06	1.01	.48			.28	.15					.16			8.44
Calhoun G							.14	T.	.03		1.32	.01					1.14	.31	1.08	.41			.41	T.				T	T	.07		4.92
Earlington [2] G				.25				.04	T.		.58	.86	.10				.21	.81	1.08	.35			.27	.02					T			4.67
Fords Ferry Dam 50 [2] O		.01		T.			.18	.07	T.		.42	1.00	.02				.27	.85	.68	.55			.41	.03						.06	1.51	6.01
Gilbertsville [2] T			T.	T.			.17	.06	T		.69	.67			.01		.45	.68	.78	.14	T.		.17	T.					.07	.40		4.25
Greenville G			T.				.05	T.		.05	1.25	.04					2.85	.78	1.09	.35			.25	.08						.85		7.14
Hartford G		.01					.20	.11	.02	T.	1.37						1.40	.55	1.15	.44			.44						T.	.16		5.85
Henderson O							.45				1.64						.50	.29	2.17	.05			.25							2.02		7.37
Hopkinsville [2] C			.22				.10				.65	.46					.15	3.22	1.08	.40			.33						.04			6.64
Lovelaceville M			.35			.25	.25				1.80						.54	.42	1.32			.10								1.70		6.73
Mayfield M			.35				.17			.07	1.40	.02					1.60	.42	.89	.16			.81						.25	1.57		7.21
Murray T			.92				.14				1.80						.81		.99	.12			.23						.19	.12		5.28
Owensboro [2] O		T.					.32	.05	T.		.55	.97	T.				.61	.69	1.30	.90	.01		.21	T.					T	.50		6.01
Owensboro, Dam 46 [2] O		T.	T.	T.			.24	.24	.03		.20	1.27	T.				.60	.82	1.06	1.22	.05		.19	T.					T.	.47		6.38
Paducah [2] O		.01	.04	.19			.31	.03	T.		.88	.76	T.				.07	.60	1.05	.64			.21	T		T.			.07	.62		5.38
Princeton G			.06				.07	T.		.02	1.84	.01					.90	.40	.74	.18			.20							.37		4.29
Ramsey, Lock No. 3 [2] G				T.			.07	.06	.03		.40	T.	T.				.41	.90	1.17	.74	.02			.01					.01	.05		3.87
Russellville [2] G				.10				.11	.02		.48	.34					.17	.83	1.77	.51	.07		.31	.04								4.75
Uniontown, Dam 49 [2] O				.01			.24	.09	.01		.22	1.34	.02				.12	1.06	.98	.81			.27	T.					.02	1.51		6.71
Central Division																																
Addison, Dam 45 [2] O				T.			.11	.76	.08		.05	1.36					.18	1.00	.83	.80	.03		.11	.04					T.	.25		5.60
Anchorage O							.13	.07			1.55	.04					1.79		2.30	.54			.12							.81		6.85
Bowling Green [2] G				T.			T.	T.	T.		.63	.46					T.	.71	1.50	.68	.05		.37	.11								4.81
Bowling Green No. 2 [2] G				T.			T.	.05	T.		.08	.84	T.				.05	.96	1.54	.66	.07		.27	.09						.04		4.65
Brownsville, Lock No. 6 [2] G				.28				.23	.03		.42	.46					.11	.91	1.53	.97	.10		.21	.06								5.31
Burnside [2] C				.20			T.	T.	.08		.04	.22					.53	.99	.50	2.57	.12		.22	.18						.06		5.16
Carrollton Lock No. 1 [2] K												1.14					.31	1.20		1.36	.18			.27								4.46
Cold Spring, Dam 36 [2] O	T.						.03	.78	.04			1.22		T.		T.		1.28	1.30	2.31	.29			.19					.03			7.42
Danville [2] K				.06				.09	.05		.01	.56	T.					.71	.42	.53	.25		.05	.12					T.			2.88
Dix Dam, Burgin K			.03				.09				.62						.86	.50	.71	.22			.07						.84			3.44
Eadsville [2]				.26			T.	.04	.63		T.	.28						.59	.58	2.25	.16		.23	.10					.03			4.48
Eubank C		.65						.23	.03		.42	.46					.14	.74	.54	.90	.10			.18									3.25
Frankfort, Lock No. 4 [2] K		.25		T.			.09	.07	T.		T.	1.20	T.				T.	1.35	.72	1.02	.31		T.	.07						.04		5.15
Gest, Lock No. 3 [2] K		.06					.05	.25				1.15	T.				.06	1.25	1.08	1.00	.24		T.	.34						.12		5.60
Glasgow G				.05			.01	.07	.01		.29	.46	.01		T.		.40	.68	.72	.98	.13		.25	.04						.04		4.14
Grant, Dam 33 [2] O	T.	.03					.03	.65	.01			1.05	T.		T.		T.	1.17	.61	2.53	.45			.20						.41		7.14
Greensburg [2] G				T.			1.	T.	T.		.06	.27					T.	.57	.69	.84	.12		.11	.03						.01		2.70
High Bridge, Lock No. 7 [2] K				.10				.12	.04			.61	T.				T.	.66	.62	.90	.20		.02	.08					T.			3.85
Irvington O			T.				.22	.20	.01		1.24	.04					1.91	.58	1.27	.80			.14						T.	T.		6.41
LaGrange O							.22	.12			1.17	.56					1.24	.92	1.78	.86	.05		.07	.11						.51		7.08
Lancaster [2] K							.16				.45						.81	.52	.55	.23				.20						.42		3.34
Leitchfield [2] G	T.		.35				.07	T.	.04		1.25	.10				.04	1.10	1.40	1.20	1.07			.24					T.		.08		6.94
Lexington [2] K	.18		.02		T.		.19	.05	.01	T.	.84	.12	T.			T.	1.45	.46	1.01	.30			.14	.01					T.	.03		4.81
Little Hickman, Lock No. 8 [2] † K								.10			.48		T.					.97	.40	.64	.15			.08									2.82
Lockport, Lock No. 2 [2] K		.09					.13	.54	T.	T.		1.58	.05				.41	1.54	1.27	1.17	.23		T.							.15		7.11
Louisville [1] [2] O							.37	.01			1.17					T.	1.50	.87	1.46	.46			.11			T.			T.	.84		7.21
Do. Bowman Field O			T.			T.	.20	.01			1.42	T.				T.	1.76	.95	1.29	.60			.12			T.			T.	.45		6.80
Mammoth Cave [2] G				.14			T.	.21	.05		.42	.60					.15	1.00	1.15	.92	.07		.17	.02					T.	.02		4.92
Monticello [2] C				.73				.05	.05		.01	.26						.47	.48	1.90		.17		.28						.05		4.45
Munfordville [2] G				.16				T.		T.							T.	1.82	T.	1.34	.15		T.	.10								3.57
St. John [2] S				.05			.03	.26	.05		.15	.98					.24	1.29	.99	1.22	.13		.21	.03					T.			5.63
Salvisa, Lock No 6 [2] † K				.04				.20	.05		T.	.94	T.					.92	.81	1.00	.18			.11						.05			4.30
Shelbyville [2] S							.03	.48	.05			1.42	T.				.02	1.70	1.10	.74	.24		T.	.25						.18		6.21
Shepherdsville S			T.				.27	T.			1.03	.28					1.49	.21	1.18	.87			.16					T.	T.	T.		5.49
Smith's Grove G							.12	T.	T.	T.	.76	T.					.27	1.29	.59	.39			.32	T.					.01	.80		4.55
Stearns C			1.03	.20			T.	.06	.05		.06	.01					.03	.66	1.49	.66	.01		.71						.02	.27		5.29
Taylorsville S							.20				.90	.35					1.50	.40	.42	.44			.10									4.31
Tyrone, Lock No. 5 [2] † K		.30		.05				.23			T.	1.08	.01				T.	1.27	.75	.98	.30		T	.10						.01		5.08
Williamstown [2] L		.04		.20			.10	.22	.02			1.35	.02				.02	1.50	1.10	1.70	.27			.52						.10		7.16
Woodbury, Lock No. 4 [2] G				.04				.03	.02		.44	.80					.09	1.10	1.22	.81	.08		.20	.04								4.87
Eastern Division																																
Annville [2] C	.19		.24				T.		.02		.04	.06					.25	.46	1.04	.37			.30						.06	T.		3.03
Ashland [2] O	T							.07	.10			.25	.02				.07	.55	.62	1.12	.10			.21									3.11
Berea K	.01		.11				.03				.15	.30					.50	.40	.86	.57	.07		.26	.01					.03	.02		3.32
College Hill, Lock No. 11 [2] K		.15						.02				.30	T.					1.01	.45	.95	.16			.09						.02			3.15
Cumberland C																																
Cynthiana [2] L								.26			1.00	T.				T.		1.16	.79	1.19	T.			.26					T.	.20		4.86
Falmouth [2] L		T.		.34			T.	.26	T.			1.09	T.				T.	1.38	1.00	1.56	.27			.26						.04		6.20
Farmers [2] L	.02	.08	.02				.07	.06	T.		T.	.39	T.				.01	.80	.59	.91	.07		.24							.03		3.29
Flemingsburg [2] L								.40				.80	.01					1.16	.74	.93	.10			.26									4.40
Ford, Lock No. 10 [2] † K		.19		T.				.25	.02			.52	T	.14			T.	.90	.80	.93	.16		T.	.08						T.			3.69
Grayson [2] O	.10											.20	.05					.80	.70	.90	.10			.33						T.			3.18
Greenup, Dam 30 [2] O	.02				.04	T.		.07	.03			.38					.03	.57	.58	1.50	.19			.25						T.			3.66
Hazard [2] K		.20		.10				.42	.16			.42	.07					.08	.86	1.48	.33		.01	.35						.03			4.51
Heidelberg, Lock No. 14 [2] K		.15		.05				.02				.19	.01				.06	.44	.53	.89	.07			.22						.09			2.72
Jackson [2] K		.20	T.	.48			T	.22				.22					T.	.42	.88	1.20	.12		T.	.28									3.52
Jenkins [2] B		.12						.11	.16				.15	.21					.22	.94	.34			.52									2.77
Louisa [2] B	.05			.06				.14	.07			.22						.71	.51	1.06	.08			.18									3.08
Maysville, Dam 33 [2] O	T.	T.		.07			T.	.31	.02		T.	1.13	.01				.01	.92	.62	1.00	.15			.17						.05			4.46
Middlesboro C		.03	.74	.13			.06	.57	.05			.50						.12	1.16	.40	.02		.88	.03					.02	.10			4.81
Mount Sterling L																																
Oneida [2] † K			.32									.28					.30		1.20	1.34	.30												3.74
Oneonta Dam 35 [2] O	.07	.07		T.			T.	.38	.01			1.20	T.	T.		.05	.02	1.22	.80	1.95	.21			.24						.09			6.31
Paintsville [2] B		.03		.06				.16	.17			.14						.41	.55	1.09		.05		.41						T.			3.07
Pikeville B	.06		.08				.01	.13	T.		.10	.05	T.				.01	.19	1.84	.31	.03		.20	.01						.05			2.87
Pippapass K	.10		.05				.04	.31			T.	.59	.03				.03	.42	.87	.85	.12		.24							.10			3.75
Quicksand [2] K							.47		T.			T.					.49		.60		.70								.38				2.64
Ravenna, Lock No. 12 [2] K		.22		.20			T	.03	T.			.43	T.					.68	.55	1.11	.13		T.	.15						T.			3.53
Richmond [2] K		.20						.20	.05		.05	.35						.90	.40	.80	.40		.05	.10									3.50
Valley View, Lock No. 9 [2] K		.22		.04				.22	.03			.52	.03	T				1.12	.48	.85				.07						T.			3.56
Vanceburg, Dam No. 32 [2] O	.01							.20				.83	T.				.06	.76	.79	.82	.04			.16						.02			3.72
Williamsburg [2] C				.45								.28						.08	.29	2.24	.17	.81	.20							.08			4.80
Willow, Lock No. 13 [2] K		.14		.14				.04				.31					.51	2.21	.59	.94	.08		.04	.08									5.08
Winchester K	.13		T.				.02	.14	T.		.43	.02	T.			T.	.68	.45	1.06	.24									.02	T.		3.19

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation measured with recording gage. [4] Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. † Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for April, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	26	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	85	86	84	77	60	62	67	60	57	62	66	38	54	66	82	74	71	68	50	49	62	67	60	67	63	64	66	77	74	70	..	66.1
	Minimum	52	55	63	52	41	33	50	42	41	37	36	26	26	27	60	57	60	42	42	34	33	35	47	41	41	47	41	43	68	59	..	43.7
Calhoun	Maximum	87	85	86	87	69	62	60	62	61	63	57	39	56	67	83	78	70	69	49	52	64	68	65	67	72	68	68	..	78	70	..	°67.6
	Minimum	49	53	65	45	41	35	47	42	42	37	38	27	28	28	49	61	61	42	42	37	34	37	47	41	44	48	42	..	44	68	..	°48.6
Earlington	Maximum	86	85	83	73	69	62	66	56	68	61	57	40	54	71	82	80	71	69	49	63	62	69	67	65	70	67	68	80	78	71	..	67.5
	Minimum	63	62	67	52	41	34	50	43	43	41	47	28	28	29	58	63	62	43	43	38	32	36	48	42	41	46	41	42	60	60	..	46.1
Greenville	Maximum	84	84	86	78	65	61	66	64	60	60	52	39	55	67	82	74	70	64	50	49	60	67	65	65	69	65	65	77	77	69	..	66.3
	Minimum	67	60	62	62	40	32	39	40	40	34	39	26	24	27	43	59	60	40	41	34	35	34	45	40	40	46	40	40	57	57	..	42.7
Henderson	Maximum	86	84	82	71	66	61	64	60	60	60	54	34	54	67	81	74	67	66	54	65	63	70	59	65	69	66	68	79	74	69	..	65.7
	Minimum	59	56	65	60	38	32	40	42	42	40	33	26	26	30	55	60	60	41	38	38	34	35	46	41	38	46	39	40	68	54	..	43.6
Hopkinsville	Maximum	86	83	85	75	69	58	65	65	62	59	57	35	65	68	82	78	71	62	55	53	64	69	60	67	33	72	70	82	74	70	..	66.3
	Minimum	60	58	69	63	40	35	48	40	41	39	47	27	31	30	50	57	59	42	43	35	34	38	47	43	42	48	41	45	56	57	..	44.3
Lovelaceville	Maximum	83	83	83	81	71	53	61	61	61	61	61	40	58	70	78	73	68	46	59	64	63	66	64	67	67	67	80	77	75	..	..	67.5
	Minimum	59	57	64	49	41	37	47	39	39	40	38	29	27	32	56	69	60	41	41	39	33	43	48	42	43	49	49	48	61	56	..	46.5
Mayfield	Maximum	83	78	83	79	66	64	64	59	62	61	62	40	68	71	76	75	72	70	49	60	64	70	66	66	70	67	68	79	76	73	..	67.3
	Minimum	..	..	..	..	42	38	47	41	40	48	38	27	29	37	57	61	63	42	42	39	37	47	50	45	46	51	60	49	61	58	..	°45.4
Murray	Maximum	83	81	85	70	64	56	66	57	60	51	61	37	56	78	80	78	70	69	49	56	62	70	67	65	68	72	67	81	79	72	..	66.8
	Minimum	60	57	60	54	42	38	50	43	41	41	36	29	27	36	59	61	63	41	42	38	35	45	50	45	48	45	49	49	63	58	..	45.8
Owensboro	Maximum	80	83	84	85	70	65	67	63	66	61	66	49	61	54	80	74	72	55	47	51	61	67	66	67	71	69	68	74	69	71	..	66.5
	Minimum	51	51	61	47	37	36	47	39	40	37	47	25	25	28	45	53	68	40	41	35	33	36	46	40	42	47	42	42	56	54	..	42.7
Paducah (near)	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	84	82	84	78	55	58	66	64	63	61	58	40	68	69	80	78	71	66	49	63	61	66	65	65	72	66	67	78	75	70	..	66.4
	Minimum	59	60	63	54	41	35	49	41	42	44	39	28	26	31	55	61	62	41	42	38	35	38	48	41	42	49	41	46	68	56	..	45.8
Russellville§§	Maximum	84	85	84	75	64	60	62	52	59	62	60	37	64	66	83	78	73	68	49	60	67	60	64	70	68	65	77	79	77	69	..	64.8
	Minimum	55	55	61	65	40	33	42	40	41	37	48	26	25	26	29	56	60	43	41	31	34	39	38	43	37	41	38	43	51	56	..	42.1
Central Division.																																	
Anchorage	Maximum	77	84	80	69	66	62	68	62	49	59	55	38	49	59	83	71	72	68	67	41	60	67	55	63	67	63	59	74	69	72	..	63.8
	Minimum	48	50	61	46	35	29	45	44	40	32	37	26	24	25	39	53	66	42	39	35	32	31	43	39	38	40	39	37	55	63	..	40.8
Bowling Green	Maximum	87	86	85	79	66	63	68	65	59	63	62	58	57	66	86	76	76	64	54	54	63	69	62	68	74	68	71	82	73	76	..	69.3
	Minimum	62	55	64	55	43	35	52	54	42	34	49	26	25	28	48	56	61	47	43	32	35	36	46	43	41	48	41	39	59	58	..	44.9
Danville	Maximum	78	87	81	75	64	62	67	66	60	62	66	68	56	60	83	76	75	69	63	44	58	65	57	63	67	60	63	75	73	74	..	65.8
	Minimum	48	48	60	55	38	27	47	45	39	31	49	28	19	27	48	58	66	45	43	35	32	38	44	40	38	44	36	37	54	64	..	41.9
Dix Dam	Maximum	79	85	86	76	69	66	63	51	63	62	60	61	60	64	84	81	75	67	67	49	52	66	63	68	63	68	76	76	75	74	..	67.3
	Minimum	45	52	59	61	41	29	51	50	41	33	48	29	25	27	43	57	60	47	46	38	42	33	48	42	37	36	39	35	55	66	..	43.1
Eubank	Maximum	82	88	77	71	67	68	66	64	54	64	67	64	63	60	82	76	75	68	73	53	58	64	60	63	69	62	67	78	..	..	..	°68.0
	Minimum	51	56	60	52	31	28	44	43	39	30	29	26	21	24	49	67	58	47	34	33	33	30	43	41	34	43	36	38	..	..	..	°39.8
Frankfort	Maximum	73	81	78	72	62	63	66	64	60	61	58	54	50	61	85	75	73	64	48	46	61	68	62	66	68	60	64	75	72	76	..	65.2
	Minimum	44	42	54	47	37	27	41	48	40	31	47	27	25	28	47	55	45	42	35	32	31	44	40	37	45	37	34	51	54	..	..	40.6
Glasgow	Maximum	83	84	80	79	71	68	66	66	62	63	66	58	52	61	82	82	71	68	59	59	60	67	66	66	69	69	67	77	77	78	..	68.7
	Minimum	54	54	62	51	42	31	51	47	42	32	50	29	26	25	46	61	62	46	46	33	33	32	47	44	38	46	37	40	59	57	..	44.1
Greensburg	Maximum	84	88	79	78	69	65	67	65	61	63	66	57	52	60	81	80	71	67	56	52	62	67	66	68	68	66	67	77	77	77	..	67.8
	Minimum	45	48	62	60	40	27	57	45	39	28	47	26	21	24	42	67	58	45	42	30	29	28	44	38	38	42	32	32	55	55	..	40.7
Irvington	Maximum	78	81	79	74	61	65	67	67	51	66	60	37	43	61	78	72	72	66	48	48	60	66	59	61	69	62	65	79	69	75	..	64.8
	Minimum	64	51	64	61	40	33	48	48	40	35	34	24	31	30	47	67	60	41	41	36	34	35	46	39	40	46	38	40	58	55	..	43.0
Leitchfield	Maximum	85	85	82	72	63	62	67	63	55	61	56	55	52	61	83	75	73	64	49	43	60	65	61	64	69	65	64	77	70	74	..	65.2
	Minimum	51	50	61	54	40	34	52	43	41	35	50	26	24	29	46	58	60	42	41	31	32	35	41	39	41	47	40	41	58	58	..	43.8
Lexington	Maximum	71	84	74	73	59	63	64	58	58	62	56	34	49	69	81	73	70	66	50	41	58	66	49	64	67	57	64	77	71	74	..	62.4
	Minimum	48	49	60	42	34	31	47	41	39	34	34	25	24	26	44	56	58	42	41	36	32	32	43	40	39	42	37	41	52	64	..	40.7
Louisville	Maximum	77	85	84	68	54	62	64	57	50	60	57	33	48	57	84	71	72	69	46	44	57	65	56	63	65	58	64	76	68	72	..	62.8
	Minimum	61	52	68	48	40	35	49	48	42	39	33	27	27	29	52	65	58	44	41	34	37	39	45	42	47	46	43	46	62	56	..	44.7
Do. Bowman Field	Maximum	78	85	82	70	54	62	63	55	49	59	56	35	48	58	84	71	71	69	48	43	59	65	52	63	65	59	64	78	68	66	..	62.6
	Minimum	51	50	61	45	40	32	48	42	39	35	33	27	26	28	46	69	58	43	40	35	35	34	45	41	44	48	42	40	58	55	..	42.8
Mammoth Cave	Maximum	85	86	82	77	64	65	71	62	54	62	61	49	64	61	83	76	78	66	54	48	60	62	60	65	69	65	66	68	73	72	..	66.7
	Minimum	55	52	60	49	40	25	52	42	39	30	47	25	21	22	51	60	60	41	41	30	31	28	43	39	32	43	33	42	58	59	..	41.7
St. John	Maximum	79	80	78	78	66	58	63	63	50	60	64	56	47	67	80	80	69	64	47	48	57	62	64	60	64	64	60	74	78	65	..	64.0
	Minimum	47	49	64	49	39	31	49	43	38	32	49	24	23	27	40	57	58	44	39	30	32	32	44	38	38	45	37	37	55	57	..	41.6
Shelbyville	Maximum	74	83	78	72	56	60	63	62	48	59	67	33	49	58	82	70	72	65	45	44	54	66	60	61	66	59	62	75	71	72	..	62.6
	Minimum	46	48	60	49	35	28	45	41	38	33	48	24	22	26	46	51	58	41	39	33	30	33	46	37	40	42	35	37	52	51	..	39.9
Smith's Grove	Maximum	83	82	81	74	51	63	66	55	55	61	63	36	53	62	80	69	70	69	55	46	59	76	57	63	70	65	66	76	69	70	..	64.8
	Minimum	52	66	59	53	34	32	68	41	36	34	34	24	24	27	43	58	60	43	42	32	32	34	42	39	39	42	39	42	68	60	..	41.8
Stearns	Maximum	82	87	74	75	66	69	66	62	48	66	70	59	48	61	84	72	73	69	62	56	56	66	58	61	70	66	64	76	67	65	..	66.5
	Minimum	52	66	57	54	40	29	50	49	38	34	52	28	20	27	46	58	60	55	54	38	34	38	43	42	42	43	38	43	54	52	..	43.9
Taylorsville	Maximum	80	86	80	74	51	63	68	62	52	62	61	49	64	61	83	76	78	66	54	48	60	62	60	65	69	65	66	68	73	72	..	66.7
	Minimum	45	50	60	47	35	29	49	45	41	31	30	27	25	24	28	47	59	40	42	35	32	36	44	40	42	45	39	42	56	55	..	40.2
Williamstown	Maximum	73	77	79	75	60	60	58	60	60	69	57	55	44	57	82	77	67	65	45	44	56	63	60	66	66	60	61	73	70	76	..	63.0
	Minimum	44	46	58	50	38	31	42	49	39	37	49	24	24	24	45	57	52	54	40	39	33	36	44	38	43	43	38	39	51	52	..	42.0
Eastern Division.																																	
Annville	Maximum	74	87	80	76	70	65	69	61	50	65	70	42	48	58	83	75	73	69	58	56	57	65	60	63	69	62	66	70	74	69	..	65.8
	Minimum	40	46	58	48	35	24	47	49	39	28	40	27	21	20	56	57	55	42	49	36	34	29	40	42	32	42	31	31	43	49	..	39.6
Ashland	Maximum	60	76	82	78	68	61	60	61	66	63	78	55	47	54	77	71	68	68	56	49	67	64	68	64	63	60	65	76	80	76	..	68.0
	Minimum	46	38	49	49	42	27	47	52	41	30	49	29	26	26	38	43	50	51	47	42	38	32	42	45	36	44	40	32	43	55	..	40.9
Berea	Maximum	77	88	84	76	65	66	69	64	62	66	70	59	48	..	..	..	74	72	59	55	57	64	62	63	67	64	65	78	73	72	..	°66.9
	Minimum	51	52	64	53	40	28	51	60	39	32	53	27	18	..	..	..	60	48	46	36	33	33	46	39	38	44	35	47	52	55	..	°43.8
Cumberland	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Farmers	Maximum	66	80	73	69	70	61	63	58	47	63	55	55	44	64	79	79	67	50	50	40	55	64	48	63	65	59	64	76	72	71	..	61 8
	Minimum	44	47	53	48	41	25	44	51	41	29	47	28	24	19	36	61	58	49	45	39	35	29	38	42	32	41	31	31	40	56	..	40.1
Heidelberg	Maximum	78	81	80	79	67	66	64	63	55	64	78	57	43	60	86	78	75	73	60	57	59	64	58	67	70	62	66	78	75	76	..	67.8
	Minimum	42	46	52	51	35	27	49	52	41	31	44	32	25	22	35	47	56	53	49	39	31	37	45	45	34	46	37	40	45	45	..	40.2
Maysville	Maximum	78	76	78	74	64	61	59	62	60	56	45	54	82	73	88	68	47	46	66	62	61	58	63	59	64	75	75	76	..	..	..	68.7
	Minimum	46	48	54	47	41	27	47	50	42	30	47	28	24	28	38	45	58	47	44	39	37	32	39	48	36	45	34	32	44	54	..	40.5
Middlesboro	Maximum	83	86	80	78	69	68	64	64	60	65	74	64	..	..	82	75	76	71	64	55	57	67	52	63	67	68	69	74	70	60	..	°68.7
	Minimum	62	49	59	66	48	28	48	50	41	32	46	30	..	..	40	66	58	61	53	39	37	32	44	46	36	39	34	34	46	56	..	°44.5
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	77	85	86	81	63	68	68	72	50	68	77	58	46	61	85	80	79	73	68	58	59	67	53	65	72	59	68	79	82	70	..	68.9
	Minimum	46	48	63	52	31	38	45	43	42	40	44	28	26	26	38	46	55	57	55	40	38	32	38	40	36	36	32	32	41	52	..	41.0
Pippapass	Maximum	69	77	66	71	71	62	61	57	57	63	67	67	44	55	80	80	75	75	60	59	53	66	60	60	63	62	60	65	73	65	..	64.8
	Minimum	46	47	51	56	43	27	45	52	40	34	43	30	28	25	38	49	64	55	55	42	36	31	38	45	35	52	30	31	47	48	..	41.6
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	46	44	48	46	37	25	45	60	38	30	42	26	22	21	34	45	58	51	54	48	36	29	37	43	33	40	29	29	38	46	..	38.9
Richmond	Maximum	78	85	75	72	52	68	66	60	50	62	62	50	60	80	72	70	65	60	50	58	55	60	63	65	57	65	76	70	74	..	..	63 8
	Minimum	58	52	57	55	40	33	50	52	40	37	50	30	22	28	47	60	60	60	45	40	34	36	48	42	43	45	38	44	54	56	..	44.9
Williamsburg	Maximum	78	89	78	78	63	67	69	69	69	67	69	75	68	49	62	84	70	73	77	72	61	63	74	64	66	70	72	71	69	66	..	70.3
	Minimum	56	54	50	46	42	42	44	49	31	31	41	30	24	26	41	66	61	50	55	46	33	29	37	39	36	37	31	32	38	58	..	40.9
Winchester	Maximum	70	80	73	72	58	66	66	62	47	61	60	58	47	57	80	78	70	66	52	46	56	64	55	61	65	55	64	75	70	72	..	63.3
	Minimum	48	49	60	64	37	28	48	44	39	35	50	26	23	25	42	58	59	44	42	35	32	34	45	40	42	42	41	42	57	55	..	42.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, ** etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 5-27-40 1100

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., MAY, 1940 No. 5

GENERAL SUMMARY.

Showery and abnormally cool weather in the first week and the last decade were unfavorable for farm work and the growth of most crops. In the period 1st-4th temperatures fell to freezing in places, causing some damage to the first strawberry blossoms in the western counties. The injury was less than usual at this time in May because the plants had been held back by the cool weather of the preceding month. During the fortnight following this cool spell fair weather predominated and showers were light and scattered. Most of the soil preparation and planting occurred in this period of favorable weather. Short intervals of warmth stimulated growth at times, only to be offset by longer intervals of subnormal temperature. Corn planting on the uplands had reached its later stages when the wet spell of the last decade brought the work to a halt that continued through the remainder of the month. On account of flooding that carried over from April, the western bottoms could not be plowed until the middle of the month. After several days of good progress and a beginning of planting, rain stopped the work in these bottom lands.

Wheat headed as irregularly as it had grown, with much short straw. Some of this type of growth seemed to be due to the cool wet weather, as it reacted on the different soils, but weakness of plants apparently had a part in it. Oats grew slowly and were unpromising. Despite the cloudiness and low temperature, tobacco plants practically kept pace with their stage at the beginning of the month, which was about two weeks later than normal. Transplanting began in a small way in southern districts toward the end. Very little burley had been set at that time.

First plantings of corn came up to good stands, and cultivation began. Germination and growth were slow in all sections, but especially so in the northeastern counties where the rains continued later than in the south and west. The cutting of first crop alfalfa came in the last shower period. Some of it was damaged, while other fields stood too long. Most of the strawberry harvest also occurred at this time. Berries were fully developed and very fine, but dampness caused some loss. Pastures on uplands became luxuriant but the weather was too wet and cool for grass on low ground. Gardens remained very backward. On account of small plants the transplanting of field tomatoes had barely begun at the end of the month.

TEMPERATURE.

In the cool period at the beginning of the month mean temperatures ranged from 10° to 20° below normal. Minima in the thirties were registered generally, and as low as freezing at many stations on the 4th. The period 23d-31st was also very cool, with daily averages ranging from 5° to 14° below the normal. On account of the prevailing cloudiness and persistence of northerly winds, the departure of the maximum temperatures from normal was generally greater than that of the minimum readings. Extremes for the State were 94° on the 7th at Pikeville and 26° at Lynch (near) on the 4th.

PRECIPITATION.

Precipitation averaged somewhat below normal for this month. A limited area in the central and northeastern bluegrass region received considerably more than the average rainfall, with amounts ranging from five to six inches. In other northern districts and in most of the western and mountain counties from two to four inches occurred. The range for the State was between 1.71 inches at Pikeville and 6.10 inches at Flemingsburg. Rain occurred generally on the 1st and was moderate to heavy in western districts. This was a period of light to moderate showers in eastern districts, where the rain extended to the 4th. Local showers that were mostly light occurred on the 7th, 9-10th, and 19-20th. Moderate to heavy and more general showers fell in the period 15-16th. Showers occurred daily in most of the State from the 23d to the end of the month. These rains were heavy locally on the 23d and 24th. Days with thunderstorms were: 1, 6, 15, 18, 19, 25, 26, 27.

MISCELLANEOUS.

Rivers.—The rise in the Ohio during the preceding month crested at Cairo on the 3d with a stage of 44.6 feet. The river subsided to pool stages in the middle section by the 15th and in the lower reaches by the 26th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date	Relative humidity 6 30 a. m.	12 30 p. m.	6 30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.93	30.22	12	29.62	25	8.2	25	s	14	76	46	48	74
Cincinnati ..... Ohio	29.92	30.25	5	29.56	24	8.0	24	w.	6	82	52	65	54
Evansville ..... Ind.	29.93	30.21	12	29.58	1	8.8	34	sw.	14	76	48	52	61
Louisville ..... Ky.	29.92	30.21	12	29.55	24	9.5	34	sw.	19	79	52	57	64

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	63.6	94	28	4.03	....	..	..	..	..
1890	63.9	93	32	4.22	....	..	..	..	..
1891	62.6	90	29	1.78	....	..	..	..	..
1892	64.6	90	36	5.49	....	..	..	..	..
1893	63.2	96	37	5.59	....	..	..	..	..
1894	64.5	99	32	3.54	....	..	..	..	..
1895	63.9	99	29	3.16	....	8	13	10	8
1896	72.2	106	42	5.34	....	11	14	11	6
1897	61.4	92	32	3.27	T.	10	15	9	..
1898	67.6	93	31	4.52	0.2	10	14	11	6
1899	68.8	94	42	4.79	0	11	11	12	8
1900	66.3	96	29	3.49	0	10	15	8	8
1901	63.7	97	34	2.65	0	10	12	9	10
1902	70.0	98	35	3.55	0	9	17	9	5
1903	68.0	98	29	3.09	0	8	15	10	6
1904	65.0	98	33	3.05	0	10	14	9	8
1905	68.0	95	38	5.23	0	11	12	9	10
1906	69.5	95	31	2.54	T.	9	16	7	8
1907	61.3	93	30	5.07	0	12	12	7	12
1908	66.7	96	28	4.34	0	12	13	8	10
1909	63.8	93	27	4.64	T	12	13	7	11
1910	61.1	89	30	4.81	0	12	13	6	12
1911	69.4	105	29	2.46	0	5	22	5	4
1912	66.7	97	37	4.53	0	10	16	6	9
1913	66.1	99	29	2.92	0	8	16	7	8
1914	66.5	103	32	2.16	0	5	20	6	5
1915	65.2	95	35	6.62	0	15	9	8	14
1916	67.2	98	33	4.02	0	9	14	9	8
1917	58.9	92	30	3.43	0	10	12	8	11
1918	69.4	97	28	4.29	0	8	16	8	7
1919	63.9	95	35	6.05	0	14	9	8	14
1920	64.2	94	32	4.08	0	11	13	7	11
1921	65.9	97	32	2.45	0	8	16	8	7
1922	67.9	94	35	3.87	0	10	14	10	7
1923	63.9	91	27	3.98	T.	13	11	8	12
1924	59.9	92	34	5.04	T.	14	10	9	12
1925	61.2	98	28	2.61	T.	8	16	8	7
1926	66.2	101	31	2.36	0	7	17	8	6
1927	65.7	93	31	7.44	0	16	10	10	11
1928	63.2	94	29	3.55	0	9	16	7	8
1929	64.1	98	32	7.35	T.	14	12	8	11
1930	66.5	94	33	2.96	0	9	15	8	8
1931	62.7	97	30	2.59	0	11	13	8	10
1932	65.1	92	33	1.39	0	6	18	8	5
1933	68.7	95	40	6.43	0	15	11	9	11
1934	67.7	99	36	1.67	0	5	20	6	5
1935	63.5	91	36	7.40	0	14	11	9	11
1936	68.3	96	35	1.50	0	5	22	6	3
1937	65.2	99	36	4.01	0	10	16	7	8
1938	65.7	93	32	5.73	0	14	11	10	10
1939	66.8	94	30	1.37	0	7	15	10	6
1940	51.8	94	26	3.50	T.	11	13	8	10
Period	65.4	106	26	3.97	T.	10	14	9	10

†52 year averages.

Climatological Data for May, 1940.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall (unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	62.0	−4.3	90	7	33	4	38	3.28	−0.95	0.70	0	10	11	7	13	nw.	Eldred G. Young.
Calhoun	McLean	437	36	°63.5	−3.1	92°	7	36°	4	47°	2.76	−1.22	0.63	0	9	17	3	11	.....	R. C. Bennett.
Earlington	Hopkins	420	46	64.2	−2.8	91	7	34	4	42	3.71	−0.41	1.19	0	8	16	7	8	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	1.98	−1.64	0.51	0	9	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	3.69	.....	0.88	0	8	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	61.4	−3.8	90	6	30	4	40	2.68	−1.57	1.00	0	8	20	5	6	s.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	3.22	.....	0.62	0	11	16	6	10	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	63.0	.....	91	6	34	5	47	3.77	−0.10	0.93	0	9	14	13	4	e.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	62.6	−4.6	92	21	33	4	39	3.59	−0.53	1.44	0	9	20	5	6	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	62.6	−4.4	86	6†	34	4	38	3.09	−0.41	1.20	0	5	15	12	4	s.	Blaine Malone.
Mayfield	Graves	364	31	64.6	−2.0	87	6	36	4	32	3.82	−0.18	1.19	0	10	13	16	3	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	64.5	−2.6	88	6	37	6	45	3.51	−0.99	1.20	0	6	13	7	11	sw.	Pat W. Wear.
Owensboro	Daviess	420	43	61.2	−4.2	89	7	33	4	35	2.99	−0.94	1.01	0	10	18	5	8	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	3.14	−0.68	0.85	0	10	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	66.6	−3.1	92	8†	40	4	35	2.76	−1.19	0.85	0	8	11	12	8	.....	Joe Lagore, *
Princeton	Caldwell	529	33	62.4	−4.4	87	6†	32	4	38	3.42	−0.70	0.76	0	9	12	11	8	sw.	S. J. Lowry.
Ramsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	3.12	−1.12	0.65	0	13	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	°64.9	−0.8	83°	6†	34°	4	31d	4.16	+0.29	1.21	0	8	22	6	3	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	3.77	+0.59	1.25	0	12	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	12	.....	.....	.....	.....	.....	.....	.....	2.75	−0.27	0.72	0	13	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	60.0	−3.4	87	7	31	4	37	2.88	−0.85	0.89	0	10	16	4	12	nw.	C. E. Barret.
Bowling Green	Warren	500	44	64.6	−2.9	92	7†	36	4	40	4.04	−0.15	1.31	0	6	17	8	11	.....	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	3.87	−0.57	1.01	0	8	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	706	49	.....	.....	.....	.....	.....	.....	.....	4.01	−0.49	0.72	0	12	20	1	10	w.	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	2.47	−1.76	0.71	0	11	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	2.97	−0.88	0.48	0	16	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	61.2	.....	88	7†	32	4	42	4.85	+0.84	0.70	0	18	13	6	12	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	62.6	−2.8	90	7	35	4†	48	4.06	+0.59	1.06	0	11	9	15	7	s.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	62.2	−1.8	90	7	32	4	45	4.03	−0.42	0.90	0	8	8	5	18	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	61.0	−4.2	91	7	33	4	44	3.76	+0.48	0.65	0	15	11	9	11	w.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	2.69	−0.61	0.55	0	9	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	62.6	−3.2	88	6†	31	4	39	4.49	+0.66	1.20	0	11	9	18	4	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	2.79	−0.30	0.46	0	13	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	60.3	−4.2	91	7	27	4	48	3.55	−0.83	0.86	0	11	3	0	28	w.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	4.45	+0.79	1.02	0	16	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	61.6	−4.4	89	7†	32	4	41	2.24	−1.49	0.42	0	10	13	6	12	sw.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	3.26	.....	0.83	0	15	14	6	11	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	3.41	+0.06	1.25	0	13	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	61.9	−3.4	89	7	33	4	36	3.05	−1.12	0.71	0	11	9	13	9	sw.	D. Lem Hughes.
Lexington	Fayette	989	56	59.8	−4.6	89	7†	33	4	38	6.36	+1.65	0.85	0	17	.....	.....	.....	.....	U. S. Weather Bureau
Little Hickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	4.15	+0.37	1.00	0	10	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	2.76	−0.71	0.61	0	9	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	469	67	62.6	−4.0	89	7	36	4	30	2.48	−1.24	0.71	T	14	11	12	8	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	60.8	.....	89	7	33	4	34	2.60	.....	0.69	0	14	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	60.2	.....	89	8	31	4	43	3.69	.....	1.10	0	10	3	9	5	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	4.28	.....	0.65	0	13	13	9	9	.....	E. O. Cooper.
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	3.66	−0.08	1.10	0	9	.....	.....	.....	.....	Chester Williams.
St. John	Hardin	777	44	61.2	−2.9	87	6	33	4	36	2.71	−1.36	0.63	0	12	17	5	9	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	4.03	−0.52	0.80	0	14	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	59.5	−4.9	88	7†	30	4	38	3.30	−0.50	0.68	0	16	12	1	18	s.	Willa S. Ratta,
Smith's Grove	Warren	607	2	60.5	.....	89	18	34	4	40	2.91	.....	0.87	0	9	.....	.....	.....	w.	C. W. Cuernsey.
Stearns	McCreary	1400	4	61.4	.....	90	7	34	4	43	3.71	.....	1.11	0	11	4	14	13	w.	Airway Station.
Taylorsville	Spencer	489	34	60.7	−3.7	90	8	32	3	37	3.19	−0.49	1.05	0	6	18	8	5	w.	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	3.50	0.00	0.70	0	12	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	948	37	61.9	−1.8	89	8†	33	4	34	3.18	−0.16	0.68	0	16	16	3	12	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	604	23	.....	.....	.....	.....	.....	.....	.....	3.41	−0.22	1.10	0	9	.....	.....	.....	.....	Lockmaster.
Eastern Division.																				
Annville	Jackson	.....	9	60.4	.....	90	7	30	5	47	3.31	.....	0.66	0	9	8	10	13	sw.	W. A. Worthington.
Ashland	Boyd	534	23	63.0	−1.3	92	7	35	6	45	2.65	−1.41	0.92	0	12	10	4	17	w	Lockmaster.
Berea	Madison	1070	37	b61.8	−8.1	90b	3†	36b	4	52b	4.26	+0.92	0.93	0	14	13	6	12	w.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	3.18	−0.76	0.63	0	14	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	3.22	−0.19	1.39	0	7	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	4.26	+0.73	1.22	0	13	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	60.6	−2.4	88	8†	31	5	48	3.73	−0.19	1.22	0	16	9	10	12	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	6.10	+2.40	1.36	0	14	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	4.47	+0.97	0.99	0	15	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	869	10	.....	.....	.....	.....	.....	.....	.....	2.80	−0.75	1.00	0	6	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	3.83	+0.52	1.17	0	14	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	3.00	−2.11	0.82	0	17	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	62.0	.....	93	7†	32	5	51	3.48	−0.50	0.65	0	16	9	6	16	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	3.01	.....	1.00	0	8	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1666	14	.....	.....	.....	.....	.....	.....	.....	1.76	−3.01	0.42	0	10	.....	.....	.....	.....	R. J Howard,
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	2.66	−1.20	1.10	0	8	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	°57.6	.....	82°	8	26b	4	29°	2.46	.....	0.51	0	8	15	5	11	w.	James S. Allen.
Maysville, Dam 33	Mason	524	42	61.6	−2.9	90	22	34	5	41	5.07	+2.02	2.26	0	15	6	18	3	sw.	Lockmaster.
Middlesboro	Bell	1128	41	61.6	−3.1	92	7	32	5	43	3.62	−1.00	0.70	0	13	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R McKee.
Oneida	Clay	800	8	.....	.....	.....	.....	.....	.....	.....	3.89	.....	1.43	0	7	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	3.98	−0.07	0.62	0	14	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	1.89	.....	0.62	0	12	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	636	4	62.8	.....	94	7†	35	5	50	1.71	−1.83	0.31	0	13	10	7	14	e.	U. S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Caney Run Com. Cen.
Quicksand	Breathitt	782	14	b62.2	−2.6	94b	7	36b	3	48b	2.85	−2.29	0.80	0	6	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	4.78	+0.86	1.10	0	15	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	61.0	−4.5	88	7†	35	4	87	5.47	+1.61	1.40	0	14	16	7	8	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	4.86	+0.85	1.68	0	15	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	6.18	+1.35	1.35	0	16	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	62.1	−8.8	90	7	33	10	45	2.89	−1.20	0.48	0	11	16	6	9	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	4.14	+0.34	1.14	0	16	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	60.8	.....	87	7†	34	4	36	5.35	.....	0.91	0	16	4	19	8	sw.	Airway Station.
State averages and extremes	.....	.....	.....	61.8	−3.9	94	7†	26	4	52	3.58	−0.47	2.25	T.	11	13	8	10	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, °, b, d, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow

*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for May, 1940.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.	.70	.02													.37			.24					.61	.88	.40		.17	.29			.10	3.28
Calhoun G.	.62	T.							.03						.80			.68	.12				.33	.45				.18			.15	2.76
Carlington [2] G.	1.19								.07	T					.99				.32				.47	.48	.86	.43						3.71
Fords Ferry Dam 50 [2] O.	.51	.01				T.		T.		.02					.09				.34	T.			.12	.21	.22	.46	T.					1.98
Gilbertsville [2] T.	.94									.01					.30				.28				.88	.36	.40	.62	T.					3.69
Greenville G.		T.							.05						.25			.26	.05				1.00	.52	.40						.05	2.68
Hartford G.	.62	T.							.03	T.					.44			.48	.09				.86	.52	.45		.06	.04		T.	.13	3.22
Henderson O.	.91								.18						.27			.55	.04				.32	.50	.93						.07	3.77
Hopkinsville [2] C.	1.44								T.	.15					.30				.11			.72	.42	.22	.28							3.59
Lovelaceville M.									.15									.58					.74	.42	1.20							3.09
Mayfield M.	.91	.02							.13						.25	T.	.17	.18		T.			.49	.40	1.19	.08						3.82
Murray T.	.69														.17				.40				1.20	.69	.36							3.51
Owensboro [2] O.	.35	.03				T.			.15	.04					.29				.62			T.	.13	.84	.03	1.01					T.	2.99
Owensboro, Dam 46 [2] O.	.45	.04	T.		T.				.18	T.					.36				.58	.01		T.	.12	.26	.29	.85	T.					3.14
Paducah [2] O.	.85	T.	T.			T.				.13					.10		T.	T.	.46				.35	.34	.24	.28						2.75
Princeton G.	.75								T.						.27			.26	.05			.39	.65	.51	.52	.02					T.	3.42
Ramsey, Lock No. 2 [2] G.	.68	.01							.02	.01					.27				.64	.01			.26	.30	.16	.54	T		.15	.10		3.12
Russellville [2] G.	1.15												.07		.30				.17				1.21	.56	.05	.65						4.16
Uniontown, Dam 49 [2] O.	1.25	.12					.04		.10	.02					.11				.42			.06	.18	.26	.74	.37						3.77
Central Division																																
Addison, Dam 45 [2] O.	.28	.06	.02						.14	.01	1.00				.85				.55			T	.08	.10	.28	.72		.12	.04		T.	2.75
Anchorage O.	.15	.03				T.									.65			.27	T.			.04	.22	.89	.08		.15	T.			.40	2.88
Bowling Green [2] G.	1.31		T.						T.						.66					T.			.61	.85	T.	.62		T.				4.04
Bowling Green No. 2 [2] G.	1.42	T.	T.							T.					.64					T.			.54	.82	.02	.50		T.			T.	3.94
Brownsville, Lock No. 6 [2] G.	1.01		.02												.82								.46	.58	.05	.98			.05			3.37
Burnside [2] C.	.54	T.	.02							.04					.12	.47			T.				.36	.60	.07	.70	.32	.05		.72		4.01
Carrollton Lock No. 1 [2] K.	.04	.02	.01										.58							.46				.71	.14	.12		.24		.01	.13	2.47
Carmont S.															.63				.30				.03	1.00	.11	.04	.02	.06	.51		.20	
Cold Spring, Dam 36 [2] O.	.06	.01	.03	.05			.07								.27	.10			.23	.08			T.	.39	.48	.17	.06	.23	.24		.53	2.97
Danville [2] K.	.49	.03	T.				.11		.14	.04					.61	.24			.14	.10			.16	.70	.35	.52	.80	.29	.06	.49	.08	4.85
Dix Dam, Burgin K.									.07					.62	.23			.38					1.06	.38	.42	.26	.14	.30			.20	4.06
Eadsville [3]																																
Eubank C.	.80		.04												.90									.67			.55	.50		.35	.52	4.03
Frankfort, Lock No. 4 [2] K.	.29	.03	.05			T.			.02						.32	.09			.35	.06			T.	.65	.35	.32	.30	.25	.09		.60	3.76
Gest, Lock No. 3 [2] K.	.20	T.													.55				.40					.55	.33	.18		.20	.18		.10	2.69
Glasgow G.	1.17	T.	.05							.02					.52				.18				.43	1.20	.04	.59	.01	.28				4.49
Grant, Dam 33 [2] O.	.04	T.	.01	T.			.22				f.				.42	.02			.38	.02			T.	.34	.46	.09	T.	.10	.31		.38	2.79
Greensburg [2] C.	.86	.08	.03	.03											.68				.33				.43	.75	.22		.70	.09	.03			3.85
High Bridge, Lock No. 7 [2] K.	.29	.02	.01	T.					.18	.08					.57	.87			.51				.08	1.02	.40	.83	.19	.10	.09	.26	T.	4.45
Irvington O.	.32	.03	T.						.07						.40			.36					.08	.35	.42		T.	.05	T.	T.	.16	2.24
LaGrange O.	.17	.06	.05	T.		.06			T						.83				.48			.02	.08	.68	.12	.04	.10	.02	.04		.51	3.26
Lancaster [2] K.							.10								.80				.09				1.28	.50	.20	.15	.08	.08	.02	.02	.22	3.41
Leitchfield [2] G.	.71	.03							.12						.56				.09	T.			.57	.53	.17		.11	.05			.11	3.05
Lexington [2] K.	.33	.06	.01			.02			.03						.85				.56	.02			.83	.53	.38	.56	.13	.07	.19	.60	.19	5.86
Little Hickman, Lock No. 8 [2] K.	.38														.67					.33			.27	1.00	.55	.20	.30	.15		.30	T.	4.15
Lockport, Lock No. 2 [2] K.	.27	T.	.07			T	T.				T.				.39				.46				T.	.51	.26	.11		T.	29		.29	2.75
Louisville [2] [4] O.	.03	T.	T.			.14			.12		T.			.01	.55			.27	T.			T.	.26	.53	.09	.01	.10	.01		.18	.43	2.48
Do. Bowman Field O.	.01	.07	T.			.06			.15		T.			.01	.41			.26	T.			T.	.24	.69	.11	T.	.08	.01		.05	.45	2.60
Mammoth Cave [2] G.	1.10	T.	.05						.12		.40				.50				.10				.33	.75	.03	.49		.22	T.			3.59
Monticello [2] C.	.65				.01					.40					.50		.28	.12					.46	.58	.12	.53	.38	.05	.20			4.28
Munfordville [2] G.	1.04		T.							.08						.58			.20				T	1.10	.10	.45		.02	.09			3.66
St. John [2] S.	.83	T.	.02	T.					.11	.04					.48				.40				.10	.44	.10	.14	.25	T.	.10			2.71
Salvisa, Lock No 6 [2] [4] K.	.85	.02	.03	T.					.02						.79	.13			.36	.06				.80	.48	.43	.11	.88	.07			4.03
Shelbyville [2] K.	.48	.02	.05	.02					.01	.02					.40	.05		T.	.33	.07			T.	.68	.65	.11		.10	.27		.04	3.80
Smith's Grove G.	.29	.03							T.					.02	.51			.11				T.	.58	.47	.87	T.	T.			.03	2.91
Stearns C.	.28	.01	T.						.08						.56								1.11	.73	.42	.09			.11	.22	.10	3.71
Taylorsville S.	.41	T.													.50				.40				T.	1.05			.30		T.	.50	3.19
Tyrone, Lock No. 5 [2] [4] K.	.30	T.	.05	T.					.05						.30	T.			.65	.03				.70	.40	.32	.03	.47	.20		T.	3.50
Williamstown [2] L.	.34	.02	.05	.02			.17								.34	.10			.50					.68	.30	.20	.03	.27	.02		.12	3.18
Woodbury, Lock No. 4 [2] G.	.80		.02						.03						.43				.19				1.10	.50	.12	.22		T.				3.41
Eastern Division																																
Annville [2] C.	.18	.02	T.			T.			.10						.47				T.				T.	.66		.69	.15			.66	.38	3.81
Ashland [2] O.		.08	.06	.03			.05		.03							.13								.92	.14		.15	.04	.10	.80	.12	2.65
Berea K.	.32		.04						.09	.01					.93				.04				.15	.67	.13	.65	.28		.05	.65	.25	4.26
College Hill, Lock No. 11 [2] K.	.08	.10	T.						.19	.03					.27	.47			.08					.63	.18	.48	.13	.20	T.	.10	.24	3.18
Cynthiana [2] L.			T.	T.	T.		T.								.42				T.				T.	1.89	.21	T.	.56	.35	.18		.11	3.22
Falmouth [2] L.	.25	T.	.09	T.			.65								.25	.13			.23	.01				1.22	.25	.27		.14	.68	T.	.09	4.26
Farmers [2] L.	.07	.06	.03	.02			.06								.04	.55			.01				T.	1.22	.25	.27	.16	.02	.23	.46	.23	3.73
Flemingsburg [2] L.		.18	.09	.03			.84								.75					.15				1.36	.36	.37	.39	.15	.19	.87	.67	5.10
Ford, Lock No. 10 [2] [4] K.	.23	T.	.05	T.					.02	.03					.12	.49			.13					.99	.30	.39	.40	.85	.02	.20	.25	4.47
Grayson [2] O.																.20								1.00	.30		.20			.40	.70	2.80
Greenup, Dam 30 [2] O.	.03	.09	.02	.03			.06								T.	.46				.08				.93	.23	.03	.17	T.	.39	.14	1.17	3.83
Hazard [2] K.	.11	.07	.03	.04			.02		.06	.13						.32			.05					.82	.07	.03	.12	.20	.10	.54	.27	3.00
Heidelberg, Lock No. 14 [2] K.	.06	.04	.02	T.			.03		.07	.04						.41				.13				.46	.26	.59	.03	.20	.11	.65	.28	3.48
Jackson [2] K.	T.	.18	T.						T.						T.	.24				.12			T.	1.00	.07	.28	.42			T.	.70	3.01
Jenkins [2] B.		.15	.04	.20			.22			.10						.18										.20	.22		.03		.42	1.76
Louisa [2] B.		.14														.07								.37	.47		.19		.11	.21	1.10	2.56
Lynch [near] C.				.34					.11							.41								.51	.12		.34			.28	.35	2.46
Maysville, Dam 33 [2] O.	.02	.18	.10	T.			.54		T.							.53			.07	.07				2.25	.45	.20	.17	.03	.52	.39	.55	6.07
Middlesboro C.	.51	.01		.02					.06						.45				.12				.11	.70	.01	.57	.18			.65	.23	3.62
Mount Sterling L.																																
Oneida [2] [4] L.	.23	.10												1.43	.26	.18														1.20	.44	3.89
Oneonta Dam 35 [2] O.	.18	.02	.05	.02			.11								.15	.16	T.		.19	T.			T.	.41	.39	.20		.48	.40	T.	.62	3.38
Paintsville [2] B.		.08	.12	.05		T.				.12						.11			T.	T.				.62	.13	.11	.20		.04	.14	.17	1.89
Pikeville B.	.11	T.	.03	T.		.06			.14		T.				.18			.01	T				.09	.31	.03	.01	.27			.27	.20	1.71
Pippapass K.																																
Quicksand [2] K.																				.46			.80		.53	.55			.36		.18	2.85
Ravenna, Lock No. 12 [2] K.	.18	.08	.05	T.						.10	.03				T.	.73			.05					1.10	.16	.44	.05	.18	.13	1.10	.36	4.78
Richmond [2] K.	.40	.10							.10						.40	.30			.12					1.00	.35	.50	.20	.25	.10	.25	1.40	5.47
Valley View, Lock No. 9 [2] K.	.27								.12	.03					.44	.25			.18	.12				1.68	.30	.26	.22	.10	.05	.03	.81	4.86
Vanceburg, Dam No. 32 [2] O.	.08	.11	.04	.03			.18									.50				.14				.86	.60	.15	.07	.12	.18	.78	1.35	5.18
Williamsburg [2] K.				.08				.29								.42				.20			.32	.48	.28	.35	.04		.36	.07		2.89
Willow, Lock No. 13 [2] K.	.23	.06	.08			.05			.08	.04						.34								1.14	.08	.54	.11	.16	.44	.46	.34	4.14
Winchester K.	.17	.04	.01						.03						.53			.12	.01				.91	.91	.34	.67	.60	.20	.01	.51	.29	5.35

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. [4]Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for May, 1940.

Stations.	1	2	3	4	6	6	7	8	9	10	11	12	13	14	16	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																
Beaver Dam	Maximum...	65	47	48	65	79	88	90	87	69	73	72	76	85	84	77	70	77	85	76	83	87	85	71	65	70	67	73	76	74	74	67	74.8
	Minimum...	43	37	36	33	41	61	58	58	57	44	48	37	54	61	51	46	41	55	61	50	52	58	55	52	53	47	51	48	52	49	52	49.8
Calhoun	Maximum...	68	62	50	..	..	91	92	91	85	76	75	79	87	85	81	78	79	84	77	85	89	..	86	67	70	67	76	77	76	75	68	77.2
	Minimum...	42	37	41	36	..	..	57	57	58	47	50	40	40	60	51	46	43	56	58	51	53	..	56	53	53	48	53	51	54	51	53	49.8
Earlington	Maximum...	70	52	51	66	84	88	91	89	80	73	72	79	85	85	79	73	78	84	77	86	87	85	71	68	71	65	76	78	75	76	73	76.4
	Minimum...	45	40	41	34	42	66	60	62	66	43	52	39	59	64	52	49	44	56	62	56	53	60	57	53	54	50	52	52	53	50	54	52.0
Greenville	Maximum...	64	50	50	64	80	90	88	87	80	70	70	77	84	84	74	72	78	84	75	83	85	85	75	66	65	65	75	77	75	75	74	74.9
	Minimum...	43	37	36	30	40	59	59	58	56	45	51	36	53	61	43	41	49	42	42	53	60	56	55	51	49	45	48	48	49	47	49	48.0
Henderson	Maximum...	56	50	50	76	81	91	89	88	76	73	70	77	84	82	70	72	78	81	77	82	85	85	72	71	68	62	76	79	77	76	69	74.9
	Minimum...	40	38	41	41	34	65	59	61	55	43	48	39	58	63	50	45	46	56	58	55	55	60	54	53	54	48	52	58	53	50	51	51.0
Hopkinsville	Maximum...	64	54	54	67	83	90	90	88	80	74	71	79	85	86	68	73	79	88	76	87	92	87	70	70	72	68	78	78	77	75	73	76.3
	Minimum...	44	39	38	38	44	55	55	60	60	47	48	38	46	53	52	45	42	55	61	47	52	55	57	51	50	47	49	48	51	50	49	49.0
Lovelaceville	Maximum...	70	62	63	64	81	86	86	83	80	74	68	77	80	81	77	69	74	76	74	83	84	78	78	78	71	65	73	75	76	76	75	75.4
	Minimum...	45	40	41	34	45	63	66	59	56	45	49	39	50	55	50	41	43	57	49	49	51	56	57	54	57	46	50	52	51	50	52	49.7
Mayfield	Maximum...	71	63	60	68	81	87	86	86	79	73	70	77	84	81	73	74	77	78	75	83	86	85	77	74	70	70	75	77	75	76	75	76.4
	Minimum...	45	41	42	36	49	62	64	61	67	50	51	44	55	51	50	44	48	60	62	54	58	60	57	55	55	50	53	53	56	52	55	52.6
Murray	Maximum...	71	59	60	69	82	88	87	86	70	72	71	78	84	81	75	75	77	77	74	73	86	82	85	70	68	70	74	78	74	79	80	75.8
	Minimum...	45	41	41	52	57	61	64	63	59	48	45	44	58	58	52	46	47	59	61	60	57	60	59	54	54	47	51	54	54	56	58	53.2
Owensboro	Maximum...	68	47	61	61	78	85	89	87	68	72	71	72	85	83	73	69	74	82	73	81	85	85	64	66	71	65	72	79	74	74	66	73.3
	Minimum...	42	35	41	33	42	57	57	56	65	48	38	38	52	56	49	42	42	55	62	50	53	62	54	51	53	46	50	50	53	50	50	49.1
Paducah (near)	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum...	49	52	53	68	82	87	87	86	67	71	69	78	88	82	64	72	79	80	75	84	85	85	69	69	70	66	75	77	75	76	73	73.8
	Minimum...	44	39	41	32	46	64	62	69	53	41	50	40	56	69	50	44	43	57	61	55	54	58	56	54	54	48	52	52	51	56	55	51.1
Russellville§§	Maximum...	..	49	51	63	78	88	88	88	..	..	..	..	85	85	83	68	70	79	85	75	83	88	87	64	65	70	69	75	79	77	74	72	[d]80.6
	Minimum...	43	42	38	34	40	49	57	59	60	..	..	..	36	56	52	46	42	54	64	49	51	55	59	51	50	48	47	49	51	47	52	[c]49.3
Central Division.																																
Anchorage	Maximum...	64	43	46	61	75	85	87	86	68	68	68	73	85	83	74	62	73	80	71	79	82	81	73	59	64	66	68	73	71	70	65	71.1
	Minimum...	41	37	38	31	38	57	58	55	64	49	46	37	49	61	62	49	40	50	58	51	52	57	57	52	46	47	47	48	53	49	50	48.8
Bowling Green	Maximum...	64	47	50	67	81	90	92	92	84	75	76	82	89	87	79	75	83	85	77	87	90	89	79	66	67	70	76	79	80	74	70	77.5
	Minimum...	47	40	42	35	41	58	60	61	62	47	51	48	52	56	52	49	45	54	63	52	54	60	64	52	51	49	49	51	55	53	54	51.8
Clermont	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Danville	Maximum...	67	45	44	60	76	87	88	88	78	71	69	75	84	85	78	67	75	83	79	80	84	86	76	64	66	71	71	76	76	71	68	73.9
	Minimum...	41	36	38	32	34	58	62	60	51	44	49	38	49	57	50	45	41	49	60	49	50	54	61	52	40	49	46	48	53	55	52	48.5
Dix Dam	Maximum...	70	48	44	61	78	89	90	89	85	70	69	77	86	86	82	67	72	85	83	82	87	88	83	64	66	71	69	77	80	78	71	75.7
	Minimum...	47	38	40	35	35	55	58	57	53	45	53	37	49	55	54	49	40	42	62	51	51	55	64	54	45	52	48	47	52	57	54	49.5
Eubank	Maximum...	62	63	52	60	78	87	90	88	86	89	76	85	84	77	73	77	88	90	85	89	86	90	63	68	71	70	77	73	72	69	76	76.4
	Minimum...	42	36	37	32	33	57	54	54	56	54	42	32	43	54	52	47	59	46	59	45	54	56	61	50	41	43	43	43	54	54	50	47.9
Frankfort	Maximum...	68	45	46	64	76	88	91	90	80	71	69	76	88	85	80	65	77	81	79	83	87	88	68	68	60	67	70	75	79	76	64	74.4
	Minimum...	44	36	38	33	35	50	55	58	52	44	48	36	44	53	52	50	42	49	62	48	50	52	60	52	42	49	45	45	53	53	53	47.6
Glasgow	Maximum...	65	51	46	62	78	88	88	88	87	71	71	76	85	85	84	69	77	87	83	81	87	88	83	66	70	69	72	77	77	75	70	76.0
	Minimum...	45	37	42	31	40	59	58	55	58	42	43	36	46	59	53	49	42	52	64	48	50	54	63	54	48	50	47	48	52	50	52	49.1
Greensburg	Maximum...	64	47	50	63	78	88	91	85	82	70	70	78	88	81	80	91	80	87	80	81	88	85	82	63	68	67	74	79	80	76	70	75.6
	Minimum...	43	35	36	27	34	52	52	52	52	40	43	32	40	49	48	43	38	46	59	43	47	51	59	51	41	45	43	45	49	50	49	45.0
Irvington	Maximum...	63	43	48	66	79	87	89	80	76	71	67	77	83	85	76	67	74	89	83	80	88	84	76	64	71	68	73	77	73	74	68	74.2
	Minimum...	37	35	37	32	40	60	60	62	52	44	46	36	58	58	51	47	41	51	60	50	53	59	57	52	48	46	48	49	51	48	53	48.9
Leitchfield	Maximum...	62	45	48	62	77	87	87	87	80	72	70	75	85	83	77	68	75	86	78	81	85	88	79	62	67	69	72	76	77	74	69	74.0
	Minimum...	40	36	38	33	41	60	62	60	55	44	47	41	51	58	51	46	46	45	61	52	54	61	59	52	49	49	51	50	53	51	52	49.8
Lexington	Maximum...	49	44	42	60	76	86	89	89	68	70	67	75	85	85	66	62	75	86	78	82	86	86	69	56	67	70	69	75	79	66	63	71.0
	Minimum...	40	36	37	33	38	56	60	61	60	45	43	39	51	57	51	48	42	50	54	52	54	56	56	46	48	50	47	49	54	53	52	48.5
Louisville	Maximum...	59	44	47	62	76	87	89	88	67	69	66	75	85	83	66	65	73	82	74	81	86	84	68	60	66	66	68	75	74	72	60	71 5
	Minimum...	41	38	39	36	47	65	63	66	54	52	51	46	60	66	58	51	47	57	61	58	60	67	57	53	50	49	52	54	58	55	56	53.6
Do. Bowman Field	Maximum...	58	42	47	62	77	86	89	88	66	69	66	75	85	84	67	64	73	83	72	82	86	84	66	59	68	67	67	75	74	70	60	74.2
	Minimum...	40	36	38	33	43	62	60	60	52	47	46	40	54	63	51	45	41	55	57	52	55	61	56	51	49	50	50	50	53	51	54	50.2
Mammoth Cave	Maximum...	63	45	47	68	79	88	88	89	80	71	69	76	84	83	77	70	77	78	74	81	85	85	76	61	67	69	72	77	76	72	69	73.9
	Minimum...	43	35	40	31	37	58	57	56	56	44	46	33	50	55	51	39	39	42	48	42	47	58	59	52	45	47	45	45	48	45	50	46.5
St. John	Maximum...	64	43	44	60	75	87	85	88	83	67	67	71	81	81	79	79	70	79	80	80	80	81	80	67	60	64	69	69	70	70	69	72.2
	Minimum...	40	36	34	39	39	59	56	56	53	44	47	35	48	57	56	48	50	54	52	52	53	58	59	54	52	54	56	57	56	56	59	50.3
Shelbyville	Maximum...	64	43	42	61	73	86	88	88	77	67	67	73	84	82	72	68	75	82	71	79	84	82	75	60	65	68	68	73	74	74	64	72.4
	Minimum...	39	35	35	30	37	58	56	55	48	43	45	37	46	52	49	47	40	49	59	49	52	55	55	50	43	45	45	46	51	49	51	46.6
Smith's Grove	Maximum...	57	50	48	62	80	86	86	86	67	70	71	76	82	82	67	68	78	89	78	81	87	85	69	63	62	68	73	76	78	73	68	78.1
	Minimum...	42	36	38	34	40	59	56	57	48	44	43	37	50	55	50	47	42	53	58	47	50	55	56	49	49	47	48	47	51	49	52	47.9
Stearns	Maximum...	68	47	43	59	79	87	90	89	80	70	70	77	86	85	76	68	76	85	80	82	86	84	66	59	64	69	70	70	77	75	70	74.2
	Minimum...	46	37	38	34	36	64	58	59	53	44	46	38	46	58	56	44	42	49	67	50	56	56	52	47	46	46	45	51	50	56	48.7
Taylorsville	Maximum...	68	45	46	64	76	85	90	90	70	69	70	76	84	87	73	65	75	84	75	82	85	86	73	72	78	70	69	70	75	73	64	73.2
	Minimum...	41	36	32	42	47	51	54	53	64	43	44	65	45	54	51	46	39	50	48	54	51	56	58	50	48	44	45	54	53	51	52	48.2
Williamstown	Maximum...	70	46	47	58	74	88	88	89	83	69	67	75	86	86	80	69	73	79	77	81	87	89	80	71	67	67	67	72	77	71	60	73.6
	Minimum...	47	36	35	33	41	57	59	61	49	46	47	42	55	60	55	48	45	49	61	53	56	62	59	50	40	50	49	49	54	55	54	50.2
Eastern Division.																																
Annville	Maximum...	61	49	49	58	72	88	90	89	78	71	69	76	84	85	80	73	77	88	86	88	87	88	81	78	75	73	74	77	79	69	71	75.9
	Minimum...	45	38	36	35	30	41	51	49	53	43	41	30	37	44	54	48	42	43	48	43	49	59	51	41	48	41	43	49	56	49	44	44.8
Ashland	Maximum...	61	49	47	60	75	90	92	91	86	71	68	76	87	89	84	61	75	82	90	82	87	87	85	75	73	78	74	77	80	70	70	76.5
	Minimum...	49	40	39	42	38	45	59	55	53	49	41	36	46	53	56	48	47	48	60	49	47	50	58	56	52	53	48	48	56	59	54	49.4
Berea	Maximum...	66	..	49	58	..	89	90	90	68	68	69	77	85	85	66	70	75	88	82	81	85	87	80	64	68	70	68	76	77	68	69	[b]74.8
	Minimum...	46	..	37	36	..	37	64	56	48	45	47	37	53	52	52	42	46	47	60	51	51	55	63	52	42	44	47	49	54	52	[b]48.8
Farmers	Maximum...	58	48	41	59	79	81	85	88	88	70	70	75	85	86	86	66	73	84	84	81	87	87	87	68	65	65	65	66	78	78	61	74.0
	Minimum...	47	38	37	38	31	45	56	52	53	48	45	31	42	49	55	50	45	46	60	45	46	47	58	52	53	50	43	45	51	57	49	47.1
Heidelberg	Maximum...	60	57	45	60	83	92	93	88	87	78	70	78	86	87	78	67	77	87	87	83	87	88	72	67	73	72	68	77	80	69	70	76.6
	Minimum...	47	41	40	39	32	43	54	54	53	43	45	33	39	47	57	46	47	47	59	47	46	47	56	54	54	45	47	54	58	51	47.5
Maysville	Maximum...	70	47	44	60	76	87	88	89	86	69	68	74	86	86	83	61	73	81	80	82	87	90	81	68	70	67	66	73	75	74	74	74.4
	Minimum...	46	39	38	40	34	47	57	56	52	41	44	36	50	58	54	51	46	48	61	48	49	52	62	52	43	49	45	46	52	57	56	48.7
Lynch [near]	Maximum...	..	..	38	36	31	56	58	62	43	39	59	52	49	55	46	39	42	50	62	46	53	56	58	41	38	45	42	44	45	49	46	[b]47.9
	Minimum...	..	..	33	26	31	56	58	62	43	39	59	52	49	55	46	39	42	50	62	46	53	56	58	41	38	45	42	44	45	49	46	[b]47.9
Middlesboro	Maximum...	66	52	52	60	78	86	92	91	80	74	73	78	86	86	77	79	84	87	83	86	87	89	84	75	71	70	69	67	75	74	71	74	75.6
	Minimum...	52	40	40	39	32	43	52	53	56	46	47	34	38	44	57	41	41	44	59	50	46	53	58	54	54	51	49	49	53	57	52	47.6
Mount Sterling	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum...	68	50	45	57	78	92	94	94	68	76	72	77	88	90	80	70	79	88	92	85	90	92	76	80	78	76	75	81	82	71	74	77.8
	Minimum...	48	41	40	39	35	42	56	54	51	47	40	34	40	48	54	48	49	46	56	50	47	50	56	55	53	48	45	42	44	45	51	47.8
Pippapass	Maximum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum...	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum...	67	55	47	57	..	..	94	92	77	72	77	79	82	87	78	71	80	90	90	90	89	90	80	77	78	76	77	80	84	76	77	[b]78.2
	Minimum...	46	38	36	37	..	..	63	51	49	42	39	31	38	45	63	47	46	43	55	49	44	47	56	51	45	50	47	47	50	55	49	[b]46.2
Richmond	Maximum...	70	44	45	60	77	85	88	88	65	70	70	78	85	85	64	62	72	85	78	80	85	85	70	65	65	65	65	73	76	65	60	71.0
	Minimum...	40	38	40	36	40	60	60	55	58	45	52	40	55	60	58	47	46	52	62	55	55	58	65	56	46	42	50	50	55	56	54	51.1
Williamsburg	Maximum...	66	59	59	65	70	82	90	89	83	71	71	76	81	86	70	80	82	86	80	81	83	84	78	74	73	69	70	74	79	77	84	76.7
	Minimum...	38	42	40	38	43	60	52	56	51	33	36	34	47	41	48	45	41	45	60	55	57	61	52	51	52	50	54	51	58	41	52	47.5
Winchester	Maximum...	64	44	42	59	74	86	87	87	78	69	67	73	84	84	76	62	78	85	79	79	85	86	72	65	66	68	65	73	77	68	65	72.4
	Minimum...	41	37	38	34	38	56	58	61	60	44	48	38	48	58	52	47	45	50	61	51	54	59	60	52	41	49	48	48	53	57	52	49.1

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
*,b,c etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville. 6-27-40-1100

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Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., JUNE, 1940 No. 6

GENERAL SUMMARY.

Weather warmer than the normal that prevailed during the first two decades greatly improved the condition of crops that had been held back by low temperature in the preceding month. This long period of warmth so stimulated the growth of most vegetation that the coolness of the last decade had no important effect in retarding its development. Corn and cotton were somewhat delayed, but the relatively cool weather favored late tobacco, field tomatoes, and maturing potatoes. Wheat harvest began in the western counties near the 20th, and moved toward the north and east during the remainder of the month, without serious interference, except in limited areas, by wet weather. Wheat left standing for harvest by combines was favored by dry weather in the last week. The oat crop, which had been unpromising, came forward during the warm spell. Frequency of showers, rather than the amount of rain, interfered with the curing of hay in the second and third weeks. After the 19th most days were favorable for hay making. Cutting of red clover, which was usually rank, occurred mainly in this period. Cutting of second crop alfalfa began near the end of the month. Except in some northeastern and southwestern counties, the rains did not seriously impede cultivation of crops. While the rainfall was above normal in some districts, notably the northeastern and southeastern counties, the larger part of the State received less than the average. In a broad north-south belt across the middle of the State precipitation was less than the seasonal amount, and the soil became quite dry toward the end of the month. The driest district was in the north-central counties. As a rule no section became dry enough to especially retard crops, but more rain was needed as the month closed to produce the usual growth. With the accompanying low temperature and considerable cloudiness, the comparatively light rainfall was generally sufficient for normal growth. This moderately cool and dry weather favored filling of heads and ripening of wheat. Pastures remained good in most of the State, although growth slackened in central districts toward the end. Gardens improved rapidly during the warm period.

TEMPERATURE.

The first two days were decidedly cool. After this period temperatures continued above normal until the 19th, with a daily excess of 2° to 10°. From the 20th to the end there were only three days with temperatures above normal. With these exceptions, temperatures ranged from 5° to 10° below the average. Accumulated deficiency and excess of temperature nearly balanced, so tnat the average for the month was not far from normal. Extremes for the State were 100° on the 23d at Smith's Grove and 44° on the 1st at Lynch (near).

PRECIPITATION.

The average rainfall for the State was about three-fourths of the normal amount for this month. It varied greatly in distribution, ranging from slightly over an inch in some west-central counties to more than six inches in some eastern and extreme western districts. A broad section extending across the State between the lower Cumberland and the eastern bluegrass region received from 1.5 to 3.0 inches. Several stations in the center of this dry area reported less than 2.0 inches. In the mountain and northern bluegrass region, and also in most of the Purchase, amounts ranged from 4.0 to 6.0 inches. For the State as a whole they varied between 0.93 inch at Addison and 7.76 inches at Farmers. Scattered showers fell on the 1st. A shower period began on the 7th and extended to the 19th. These rains were fairly general and often heavy on the last three days of this period. Irregularly distributed showers, but heavy and more general in the northeastern counties, occurred from the 23d to 28th. Days with thunderstorms were: 6, 7, 8, 9, 10, 11, 14, 16, 17, 18, 23, 24, 25, 26, 27, 28.

MISCELLANEOUS.

Rivers:—Frequent moderate to heavy rains in the upper valley kept the river above pool stage at most stations during the month. Some low ground along the lower courses of the Ohio and Green was flooded by the moderate rise in the first week.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity			Percentage of sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	
Cairo ..... Ill.	29.95	30.21	21	29.67	23	7.0	43	n.	28	81	56	57	76
Cincinnati ..... Ohio	29.95	30.25	21	29.68	24	6.5	25	w.	23	81	51	67	66
Evansville ..... Ind.	29.95	30.29	21	29.61	24	8.3	51	sw.	28	76	49	56	65
Louisville ..... Ky.	29.96	30.24	21	29.65	24	8.6	30	sw.	23	82	53	59	70

COMPARATIVE DATA FOR JUNE.

Year.	Temperature.			Precipitation		Number of days			
	†Mean.	Highest.	Lowest.	†Average.	Average snowfall	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	70.6	99	38	5.27	..	..	..	..	..
1890	78.4	101	51	4.96	..	..	..	..	..
1891	77.1	97	51	4.48	..	..	..	..	..
1892	75.8	101	48	4.23	..	..	..	..	..
1893	73.3	97	48	4.64	..	..	..	..	..
1894	75.6	102	35	2.69	..	..	..	..	..
1895	75.9	104	47	3.63	0	..	15	10	5
1896	73.5	98	46	4.64	0	10	11	12	7
1897	73.4	101	41	3.61	0	9	14	12	4
1898	76.2	101	45	3.90	0	9	15	12	3
1899	76.1	100	44	2.80	0	8	15	10	5
1900	73.9	100	40	6.14	0	14	8	12	10
1901	75.6	104	42	3.97	0	9	15	9	6
1902	73.4	101	39	4.75	0	11	13	9	8
1903	68.6	96	37	3.61	0	10	14	8	8
1904	73.2	99	48	3.14	0	11	14	10	6
1905	74.8	106	45	4.49	0	10	16	6	8
1906	73.9	99	42	4.53	0	11	14	8	8
1907	70.2	95	41	4.91	0	11	12	9	9
1908	73.4	102	43	4.36	0	7	17	8	5
1909	74.5	99	43	5.03	0	14	10	11	9
1910	70.0	99	36	5.20	0	10	15	8	7
1911	75.2	106	45	4.06	0	10	17	7	6
1912	70.2	95	38	3.48	0	10	13	8	9
1913	75.0	107	38	2.87	0	7	19	6	5
1914	78.3	108	45	2.30	0	5	18	8	4
1915	71.7	95	42	4.79	0	12	12	10	8
1916	70.1	99	45	4.94	0	11	13	10	7
1917	70.9	100	39	4.30	0	10	15	9	6
1918	73.6	104	37	3.63	0	8	16	8	6
1919	76.7	103	51	4.00	0	10	14	10	6
1920	71.9	100	44	3.12	0	7	17	6	7
1921	77.8	100	46	2.90	0	8	14	11	5
1922	75.4	100	44	3.10	0	9	14	10	6
1923	73.8	99	42	4.59	0	9	16	8	6
1924	74.2	99	42	4.39	0	12	13	10	7
1925	77.0	105	48	3.90	0	7	16	8	6
1926	70.9	98	42	3.45	0	8	15	9	6
1927	70.4	98	42	4.13	0	11	14	8	8
1928	69.5	93	45	0.88	0	18	7	10	13
1929	71.7	97	37	4.11	0	9	17	7	6
1930	73.1	104	38	1.76	0	6	19	7	4
1931	75.8	106	39	2.80	0	8	17	8	5
1932	74.8	103	40	4.88	0	11	13	10	7
1933	76.5	105	39	1.57	0	4	21	2	7
1934	77.4	105	50	4.58	0	6	27	2	1
1935	70.5	96	44	7.50	0	14	11	10	9
1936	76.1	110	40	0.81	0	3	21	6	3
1937	74.3	99	46	4.52	0	10	18	6	6
1938	71.8	98	45	3.93	0	11	13	9	8
1939	75.1	97	47	6.01	0	14	10	12	8
1940	73.1	100	44	3.39	0	11	10	12	8
Period	73.8	110	35	4.15	0	10	14	9	7

†52 year averages.

Climatological Data for June, 1940.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	25	[b]73.8	− 0.4	92[b]	5†	49[b]	2	36[b]	2.86	−0.31	0.55	0	11	9	11	10	sw.	Eldred G. Young.
Calhoun	McLean	437	36	75.0	− 0.1	94	5†	51	20†	37	1.52	−2.84	0.55	0	8	13	6	11	.....	R. C. Bennett.
Earlington	Hopkins	420	46	75.8	0.0	94	5	51	1†	37	1.96	−1.86	0.79	0	8	14	6	10	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	2.29	−1.31	1.00	0	10	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	4.74	.....	1.82	0	9	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	73.0	− 1.5	94	8	49	21	38	2.21	−1.95	0.85	0	10	14	16	0	s.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	0.98	.....	0.25	0	10	11	16	3	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	73.6	.....	92	5	47	21	45	1.43	−1.76	0.47	0	6	11	17	2	sw.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	74.8	− 0.6	94	5†	48	1	39	3.64	−0.75	1.92	0	9	14	16	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	73.1	− 2.4	93	5	51	1†	35	4.84	+0.76	2.10	0	7	15	11	4	s.	Blaine Malone.
Mayfield	Graves	364	31	75.0	0.0	93	5	54	1	29	6.57	+2.77	1.72	0	10	14	13	3	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	74.6	.....	93	4†	50	1	37	3.32	−1.44	1.48	0	7	10	8	12	s.	Pat W. Wear.
Owensboro	Daviess	420	43	73.6	− 0.5	92	23	50	2	35	1.87	−2.64	0.38	0	11	15	3	12	sw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	2.74	−1.88	0.74	0	12	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	26	76.0	− 1.9	95	5	54	2†	30	4.71	+0.49	2.00	0	8	13	11	6	.....	Joe Lagore.*
Princeton	Caldwell	529	33	74.2	− 1.1	92	5	52	1†	31	3.67	−0.48	0.80	0	11	12	9	9	s.	S. J. Lowry.
Ramsey, Lock 2	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	1.66	−1.95	0.51	0	10	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	73.7	− 0.9	93	5†	48	2	34	1.63	−2.11	0.71	0	9	18	6	6	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	3.59	−0.14	0.97	0	13	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	0.93	−2.97	0.28	0	12	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	71.0	− 1.1	90	6†	48	2†	31	2.14	−1.53	0.97	0	12	11	13	6	sw.	C. E. Barret.
Bowling Green	Warren	500	44	76.0	0.0	96	5†	53	2†	40	1.78	−2.28	0.50	0	9	11	14	5	s.	Mrs. Lillie G Causey.
Brownsville, Lock 6	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	2.71	−1.53	1.05	0	13	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	4.03	−0.16	1.11	0	13	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	3.87	−0.11	0.89	0	10	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	.....	.....	.....	.....	.....	.....	.....	1.10	.....	0.28	0	14	6	14	11	sw.	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	5.09	+1.02	1.25	0	10	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	72.4	.....	92	6	48	21†	36	3.70	−0.21	0.73	0	12	13	11	6	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	74.9	+ 1.0	95	6†	49	21†	38	2.00	−2.34	0.62	0	9	12	11	7	s.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	3.69	.....	0.72	0	13	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	71.4	− 0.1	92	6†	46	22	39	2.59	−1.66	0.60	0	9	8	16	6	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	73.6	− 0.1	93	6	48	21	37	3.46	−0.65	1.17	0	11	10	13	7	sw.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	3.94	−0.09	1.15	0	9	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	74.1	0.0	93	6†	49	21†	36	3.60	−0.02	1.67	0	14	8	21	1	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	4.06	+0.31	0.75	0	11	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	72.8	− 0.4	94	23	45	21†	45	2.02	−2.41	0.50	0	10	2	3	25	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	3.57	−0.47	1.03	0	13	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	73.6	− 0.4	95	6	48	2†	38	1.28	−2.78	0.54	0	8	10	11	9	sw.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	3.16	.....	1.01	0	14	14	5	11	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	2.48	−2.72	0.82	0	10	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	73.2	− 0.1	91	6	49	21	31	3.59	−0.50	1.06	0	13	9	14	7	sw.	D. Lem Hughes.
Lexington	Fayette	989	56	73.4	+ 1.2	94	6	48	2	35	2.98	−1.07	0.48	0	18	.....	.....	.....	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	2.92	−1.42	0.82	0	8	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	4.51	+0.13	1.27	0	9	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	74.8	+ 0.1	92	6	52	2	28	1.59	−2.23	0.38	0	10	10	13	7	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	73.8	.....	88	6	49	2	35	2.58	.....	1.19	0	9	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	71.9	.....	92	7	46	2†	38	3.35	.....	0.98	0	17	12	11	sw		Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	4.61	.....	0.63	0	14	12	15	3	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	1.90	−3.70	0.51	0	13	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	44	70.9	− 1.6	88	6†	52	1	28	2.19	−2.07	0.60	0	12	15	6	9	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	1.75	−2.67	0.37	0	9	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	71.6	− 1.7	91	6	47	2	35	2.86	−1.15	1.24	0	12	8	9	22	s.	Willa S Ratta.
Smith's Grove	Warren	607	2	73.6	.....	100	23	47	2	38	1.87	.....	0.51	0	8	7	17	6	sw.	C. W. Greenley.
Stearns	McCreary	1400	4	71.2	.....	90	6	48	21	34	6.45	.....	1.81	0	14	2	18	10	sw	Airway Station.
Taylorsville	Spencer	489	34	[b]72.9	+ 0.3	93[b]	9	46[b]	21	39[b]	1.20	−3.07	0.35	0	6	18	6	6	w.	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	2.04	−2.53	0.60	0	11	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	73.4	+ 1.2	94	6†	49	21	29	4.48	+0.85	0.82	0	14	17	7	6	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	1.98	−2.42	0.43	0	11	.....	.....	.....	.....	Lockmaster.
Eastern Division.																				
Annville	Jackson	.....	9	[a]70.3	.....	91[a]	7	47[a]	2	39[a]	4.46	.....	0.98	0	12	3	21	6	sw.	W. A. Worthington.
Ashland	Boyd	534	23	74.4	+ 1.1	93	11	48	21	35	4.76	+0.54	0.92	0	17	5	12	13	sw.	Lockmaster.
Berea	Madison	1070	37	[d]73.2	+ 0.3	92[d]	7	47[d]	22	38[d]	3.46	−1.04	1.00	0	10	14	8	8	sw.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	2.87	−1.24	0.85	0	10	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	3.25	−0.11	1.23	0	7	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	4.96	+0.88	0.90	0	14	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	71.9	+ 0.6	91	8	45	21	37	7.76	+3.46	1.55	0	14	5	20	5	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	5.31	+0.87	1.87	0	11	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	2.69	−1.32	0.60	0	10	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	3.70	+0.36	0.95	0	8	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	5.17	+1.33	1.66	0	16	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	4.78	+1.36	1.12	0	15	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	72.5	.....	92	12	47	22	45	4.16	−0.02	0.99	0	11	6	11	13	sw.	Lockmaster.
Jackson	Breathitt	776	.....	.....	.....	.....	.....	.....	.....	.....	5.74	.....	1.00	0	12	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher.	1566	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. J Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	3.78	−0.98	1.06	0	11	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	64 0	.....	82	7	44	1†	24	6.35	.....	2.30	0	10	12	7	11	s.	James S. Allen.
Maysville, Dam 33	Mason	524	42	73.2	+ 0.3	94	6	47	21	34	4.73	+0.68	0.89	0	14	7	18	5	sw.	Lockmaster.
Middlesboro	Bell	1125	41	72 4	0.0	92	6†	48	21	34	4 68	+0.66	1.37	0	13	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	980	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	2.64	−1.66	0.83	0	12	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	3.72	.....	1.00	0	12	.....	.....	.....	.....	A. L Donta.
Pikeville	Pike	636	4	73.4	.....	95	6	49	22	40	4.70	+0.60	1.24	0	19	2	9	19	se.	U. S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Creek Run Com. Cen.
Quicksand	Breathitt	732	14	.....	.....	.....	.....	46	22	.....	5.10	+1.03	1.15	0	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	2.73	−1.78	1.04	0	8	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	73 4	− 0.1	90	6†	52	2	42	3.20	−0.88	1.25	0	11	16	6	8	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	2.45	−1.25	0.69	0	10	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	5.87	+1.83	0.98	0	14	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	72.0	− 1.9	91	6†	48	21	39	1.64	+0.66	0.74	0	16	13	12	5	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	5.12	+0.77	1.28	0	13	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	72.5	.....	92	6	48	21	30	2.48	.....	0.50	0	13	4	18	‡8	sw.	Airway Station.
State averages and extremes		.....	.....	73.1	− 0.7	100	23	44	1†	45	3.39	−0.76	2.30	0	11	10	12	8	sw.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow

*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for June, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam..... G								.49		.23	.10	.12		.18		.55	.13	.07	.49								.13	.37				2.86
Calhoun..... G							.35			.55	.03			.08	T		.01	.14						.13			.23				1.02
Carlington [3]..... G	T.							.79		.92		.43		.14	T.		.03	.05	.07										.45			1.96
Fords Ferry Dam 50[3]..... O	T.							1.00	T.	.06	.07	.03	T.	.42	.09		T.	T.	.23		T.			.04	.08		T		.32			2.29
Gilbertsville[3]..... T						.08		.74			T.	.88		.42	T.	.08	.37	.22	.18					T.	T.				1.82			4.74
Greenville..... G							.40	.08			.08	T.		.10		.85	.05	.05	.05					.05				.50				2.21
Hartford..... G							.25			.03	.02	.01		.23	T.	.12	.08	T.	.02					.06		T.		.16				0.98
Henderson..... O							.47	T.	T.	.05	T.			.06	.21	T.	.12	T.						.04	.25			.28				1.43
Hopkinsville[3]..... C								.13					.26	.13	.03	.50	.18	.26							.23				1.92			3.64
Lovelaceville..... M							.35			.10	.18			.55														2.10				4.81
Mayfield..... M							1.72		.50	.02	T.			1.32	T.	.28	.21	.85	T.					.19	.02		T.	1.48				6.57
Murray..... T								.14			.02			.22		.87	.38							.26				.48				5.32
Owensboro [2]..... O	.12							.10	.15	.28		.38	.05	.09	.07			.29	T.					.28	T.		T.	T.	.08			1.87
Owensboro, Dam 46 [3]..... O	.13						.09			.10	.64	.74			.28	.05	T.	.23	T.					.37	.08		.01		.07			2.74
Paducah[3]..... O							.34		T.	.21	.04		.85	T.			T.	.07	1.19					.01	T.			T	2.00			4.71
Princeton..... G							.57	.18		.06	.37	.03		.80		.16	.17		.73					.01				.59				3.67
Ramsey, Lock No. 2 [4]..... G	.10							.31		.05	.51	.02			.08		.01		.27					.11					.20			1.05
Russellville [3]..... G										.04	.01	.13	.29			.05		.13	.16						.01				.71			1.53
Uniontown, Dam 49[3]..... O	.01							.80		.97	.03	.44		.01	.26		.10		.67					.09	.05	.01	T.		.22			3.99
Central Division																																
Addison, Dam 45. [3]..... O	.10							.13		.12	.05			T.	.02		T.	.02	.04					.10	.23	.01	.01		.10			0.93
Anchorage..... O	.03						T			.04			.05		.08		.30	.08	.03					.07	.97	.08	.01	T.					2.14
Bowling Green [3]..... G										.04	.20	.12	.50	T.		.25	.15	.02	.20										.30			1.78
Bowling Green No. 2[3]..... G	.05						T.	T.		.36	.18	.52		.09		.32	.09	T.	.08						T				.26			1.96
Brownsville, Lock No. 6[2]..... G	.15							.06	.24	.07	.06	1.05	.03	.50		.12			.15						.04		.03		.21			2.71
Burnside[2]..... C	.25				T			.34	.10			T	.15				.52	.47	.36	.29				.13	1.11	.08	.05	T.	.18			4.03
Carrollton Lock No. 1[3]..... K								.22			.30		.05		.16		.82	.80	.10					.39	.11		.42					3.87
Clermont..... S	.02						.09		.15		.08			.06		.10	.02	.05	.01					.11	.10	.28	.02	.01					1.10
Cold Spring, Dam 36[2]..... O	.74		T.					.52	T.	.03				1.25		.31	.40							.42	.02	.39	1.01		T.			5.09
Danville[2]..... K	.04						.20	.61		.34	.08		T.		T.	T.	.50	.05	.78					.16	.51	.46	.07					3.70
Dix Dam, Burgin..... K									.20					.10		.62	.01	.40					.83	.15	.18	.01						2.00
Eadsville [2]..... O	.32						.26	.72				.08	.27		.03	.09	.43	.21	.34	.05					.61			.02	.29			3.63
Eubank..... C		.14						.25		.30						.60			.23	.40				.16		.35	.14					2.59
Frankfort, Lock No. 4[2]..... K	.18						T.	.11		.10	.01		.14		T.	T.	.32	.46	1.17						.90	T.	.07	.05					3.46
Gest, Lock No. 3 [2]..... K	.25							.60		.63	T.			T.	.32	.26	.41	.12						1.15	T.		.20					3.92
Glasgow..... G	.09	T.						1.67	.03	.02	.09	T.	.03	.02	.03	.01	.18	.25	.91	T.					.16	T.	T.		.12			3.66
Grant, Dam 39[2]..... O	.35	T.	.38					.46		.55			T.	T.	.75	.01	.16	.86						.12	T.	.38	.55	T.	T.			4.66
Greensburg [2]..... G	.09							.50	T.	.02	.02		.05		T.	.11	.31	.09	.50										.83			2.02
High Bridge, Lock No. 7[2]..... K	.20							1.03		.74	T.			.24	.14		.52	.04	.07					.25	.08	.19	.03		.04			3.57
Irvington..... O								.20				10		.54		.03	.02	T.	.18				T.	.18	T.	T.		.03				1.28
LaGrange..... O	.15	T.						.03	.04			.14		.03	.18	T.	.14	.85	.12					.10	1.01	.03	.35	.02				3.16
Lancaster[2]..... K								.12		.10					.05	.40		.10	.82					.10	.80	.45	.05					2.49
Leitchfield [2]..... G							T.	.00		.36	.66	.05		.18		1.06	.17	.25	.38					.07	.22		.04		.09			3.59
Lexington [1]..... K	.01							.44	.02	.03	.12	.04		.04	.26	T.	.20	.32	.41	.38				.22	.35	.08	.02	.02	.04			2.98
Little Hickman, Lock No. 8 [2]†..... K	.10								.24		.82							.50	.30	.22				.55		.19			T.			2.92
Lockport, Lock No. 2 [2]..... K	.41							T.		.40	.19			.06		.08	1.27	.97	1.02	T.						T.	.11					4.51
LOUISVILLE[1]..... O						T		.43	.02		.05	T.	T.	.27		.04	.08	.10					.50	.08	.02	T.	T.	T.				1.58
Do. Bowman Field.....						.24	T.	T.	.01	T.	T.	T.	.36	.17		.06	.20	.18					1.19	.17	T.	T.	T.		T.			2.58
Mammoth Cave[2]..... G	.31							.08	.06	.90	.03	.15	.08	.20	.02	.03	.20	.01	.98	.03	T.				.03	T.	.05		.19			3.35
Monticello [2]..... C	.20							.04	.43	.22			.63	.58			.18	.58	.54	.48				.04	.18		.01		.40			4.51
Munfordville [2]..... G	.16							.16	.08	.07	.06	T.	.13	.05	.04	.07	.51		.33						.05		T.		.19	T.		1.90
St. John [2]..... S	.16							.08	.33		.03		.01	.03		.04	.60	.37	.45							.03			.06			2.19
Salvisa, Lock No 6 [2]†..... K	.25							.26		.24	.04				T.		.31		.09					.37		.17		.02				1.75
Shelbyville [2]..... S	.48						.12	.28			T.	.01	.07		T.	.08	.11	.12	.15					1.24		.15	.05					2.86
Smith's Grove..... G							T.	.02	T.	T.	.49	T.		.24	.51	.09	T.	.17	.08					T.	T.	T.	T.	.27				1.87
Stearns..... C				.43		.15	1.07	.38	T.	.01	.15	.01	.03	T.		.41	1.81	.51	.55					.40				.54				6.45
Taylorsville..... S	.10						.20		.25		.10	T.	T.			.20	.10	T.	.10				T.	.35	T.	T.						1.20
Tyrone, Lock No. 5 [2]†..... K	.20							.08		.10	.05			.35			.25	.05	.03					.60	T.	.23	.10		T.			2.04
Williamstown [2]..... L	.58							.58		.01				.28		.14	.10	.25	.77	.24				.82	.05	.10	.54	.02				4.48
Woodbury, Lock No. 4[2]..... G	.11										.18	.12	.06	.20	.14	.02	.16	.26	.43						T.				.30			1.98
Eastern Division																																
Annville [2]..... C				.01			.70	.88		.09	T.					.98	.27	.35	.39					.04	.54	.20	.01					4.46
Ashland [2]..... O	.12	.02						.55	.01		.03			.03	.09	.11	.31	.12	.13	.52				.80	.40	.38	.92	.22				4.76
Berea..... K		.02						.27		.02						.39	.03	.07	.76					.22	1.00		.88					3.46
College Hill, Lock No. 11[2]..... K	.23							.02		.35							.85	.08	.45						.55	.18	.12	.04					2.87
Cynthiana [2]..... L								.00						.10			T.	.59	1.23					.62	T.	.88	.27					3.25
Falmouth [2]..... L	.27	T.						.96		T.	.02	T.	.07		.22	.80	.75	.47	.02					.62	.02	.56	.70	.04				4.96
Farmers [2]..... L	.64	.15					T.	.32		1.29				.29	.08		.38	1.18	1.55					.38	.82	.20	.45	.03				7.76
Flemingsburg [2]..... L	.02	T.						1.06	T.	.30	T.			.18	.24	T.	.29	.26	.24	T.				1.87	T.	.21	.64	T.				5.31
Ford, Lock No. 10 [2]†..... K	.24							.47		.14							.60	.10	.45					.47	.09	.10	.03					2.69
Grayson [2]..... O								T.			T.						.30	.60	.40					.95	.40	.10	.75	.30				3.70
Greenup, Dam 30[2]..... O	.22							.65	.03		.08			.04	.10	.16	.15	.29	.05	.30				.86	.05	.40	1.66	.13				5.17
Hazard [2]..... K								.32	.20	.03	.12	.20	.12		.22		1.00	1.12	.63	.05				.10	.20	.45	.02					4.78
Heidelberg, Lock No. 14[2]..... K	.26							.80	.06	.01							.70	.99	.09					.02	.69	.51	.03					4.16
Jackson [2]..... K	T.	.05			.05			.84		.83				.40		.25	1.00	.65	.38	.25					.82	.22						5.74
Jenkins [2]..... B																																
Louisa [2]..... L	.22										.24		.18		.28		.30	.24	1.06					.37		.07	.58	.24				3.78
Lynch [near]..... C				.21						.60						.70	2.30	.69	.19					.78		.33		.33	.22			6.35
Maysville, Dam 33[2]..... O	.64	.06	.07				.16	T.	T.	.66				.02	.04	.08	.26	.65	T.					.89		.61	.55	.04				4.73
Middlesboro..... C							.28		.32		.08	.06				.22	1.87	.07	.71					.05	.70		.14		.28	.46		4.68
Mount Sterling..... L																																
Oneida [2]†..... K																																
Oneonta Dam 35[2]..... O	.15							.42	.02	.02	T.					.15	.02	.05	.64					.17	.04	.13	.83	T.	T.			2.64
Paintsville [2]..... B	.05							.06		.24			T.		.05	T.	.57	1.00	.34	T.				.04	.61	.33	.27	.16	T.			3.72
Pikeville..... B	T.			.01			.38	.03	.03	.19	1.21	.17	.03	.02	T.	.56	.62	.04	.11					.06	.86	.26	.01	.07	T.	.01			4.70
Pippapass..... K																																
Quicksand [2]..... K								1.15		.69							.71	1.10	.25					.50	.70							5.10
Ravenna, Lock No. 12[2]..... K	.30							T.		.08			T				.43	.06	1.04					T.	.60	.10	.12		T.			2.73
Richmond [2]..... K	.50	.05								.10					.05		.50	.25	1.25					.05	.15	.25	.05					3.20
Valley View, Lock No. 9[2]..... K	.13							.18		.39							.54		.05	.25				.59	.15		.16	.01				2.45
Vanceburg, Dam No. 32 [2]..... O	.97	.08						.85		.31			.03		.08	.09	.34	.52	.07					.98		.54	.88	.08				5.80
Williamsburg [2]..... K	.39							.40	.22	.31	.08	.06		.10		.09	.44	.74	.12	.41			.17	T.		.38		.47	.26			4.64
Willow, Lock No. 13[2]..... K	.61						.05	.85		.12				.19	.04		.74	.30	.51					.09	1.28	.28	.06					5.12
Winchester..... K	.02						.30	.01	.18	.14				T.			.32	.30	.25					.50	.18	.24	.03	.01	T.			2.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for June, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	73	81	86	89	92	92	90	86	89	89	88	86	87	85	85	78	84	86	89	82	78	86	92	..	..	88	90	83	79	84	..	85.6
	Minimum	54	49	52	58	57	64	68	65	68	67	66	68	68	68	69	67	68	69	69	69	56	49	52	64	..	52	71	67	60	49	..	61.9
Calhoun	Maximum	71	84	86	91	94	..	93	89	88	90	94	88	88	88	84	89	91	89	89	91	89	83	90	94	90	93	85	85	82	86	..	87.4
	Minimum	53	58	54	59	58	..	54	66	68	65	67	68	67	69	68	69	68	70	67	51	53	65	53	66	56	75	74	67	59	51	..	62.7
Earlington	Maximum	77	85	87	90	94	92	90	88	91	88	92	87	87	86	86	83	87	88	90	88	83	91	92	79	84	89	91	87	80	85	..	87.2
	Minimum	51	51	53	58	60	66	71	67	68	70	69	71	67	70	72	69	70	71	72	57	51	64	70	72	57	59	75	77	59	52	..	64.3
Greenville	Maximum	75	81	94	92	92	92	90	85	87	87	90	86	88	82	85	80	84	85	89	80	80	88	92	85	88	90	90	85	78	82	..	86.1
	Minimum	49	48	51	55	56	63	64	63	65	64	64	65	64	66	68	65	68	67	69	57	49	60	61	64	53	50	70	66	57	49	..	60.0
Henderson	Maximum	78	85	84	84	92	91	85	87	90	88	90	81	88	82	86	82	86	86	90	80	80	88	88	80	82	88	89	82	81	83	..	85.3
	Minimum	51	51	54	57	62	65	67	66	69	65	67	69	63	67	68	68	69	70	69	54	47	56	68	63	54	54	72	67	56	52	..	52.0
Hopkinsville	Maximum	75	83	88	92	94	94	93	88	93	93	94	88	94	86	85	75	85	89	92	79	82	91	93	92	85	91	93	84	77	85	..	87.8
	Minimum	48	49	52	56	57	64	65	64	66	67	65	67	65	68	69	67	69	69	69	60	54	52	63	72	56	53	67	71	60	51	..	61.8
Lovelaceville	Maximum	76	81	81	91	93	92	90	87	88	86	79	83	80	80	84	81	82	80	85	85	80	86	90	83	80	88	86	81	79	81	..	84.0
	Miuimum	51	61	53	56	59	65	68	66	65	67	68	67	64	67	67	68	69	70	70	65	55	55	61	65	53	54	71	66	58	52	..	62.2
Mayfield	Maximum	80	82	85	88	93	92	88	86	87	86	85	82	87	82	83	80	83	85	90	84	79	87	91	82	84	89	89	84	77	82	..	85.1
	Minimum	54	55	57	61	66	70	67	67	70	67	69	68	66	67	69	71	70	71	72	64	57	58	70	68	57	59	71	66	59	57	..	64.8
Murray	Maximum	82	84	85	93	92	89	90	93	90	88	88	83	85	84	87	85	87	89	86	88	89	92	85	82	89	88	88	83	80	86	..	86.8
	Minimum	56	52	54	60	60	58	72	75	70	68	69	68	65	62	61	68	64	67	69	67	51	52	56	57	59	62	77	66	64	57	..	62.5
Owensboro	Maximum	73	82	85	88	88	91	90	89	89	89	89	84	86	83	83	84	85	86	77	82	87	92	88	82	87	90	83	82	84	..	..	85.5
	Minimum	54	50	54	61	63	68	64	66	66	66	65	68	66	68	68	68	68	68	63	58	53	54	65	68	66	52	73	72	57	50	..	61.8
Paducah (near)	Maximum	81	84	87	92	95	94	88	90	91	89	92	87	86	79	85	82	86	88	90	80	82	92	94	81	85	92	92	78	80	86	..	86.9
	Minimum	56	54	54	60	62	67	70	66	72	68	70	68	65	69	69	71	71	72	70	64	58	58	68	72	56	58	72	74	62	55	..	65.0
Princeton	Maximum	75	81	85	89	92	91	87	84	87	87	88	84	87	83	85	82	83	86	89	82	79	86	90	77	82	88	88	83	77	82	..	84.6
	Miuimum	52	52	55	59	61	71	70	67	69	68	68	69	64	69	70	69	71	71	70	60	54	55	69	67	56	56	73	68	58	53	..	63.8
Russellville§§	Maximum	76	80	84	90	93	92	90	89	85	87	88	88	86	85	88	82	83	91	89	78	83	89	93	85	83	90	92	81	76	85	..	85.9
	Minimum	51	48	56	56	60	65	67	66	66	64	65	65	65	68	68	66	69	68	69	55	49	51	64	72	54	55	70	72	61	50	..	61.5
Central Division.																																	
Anchorage	Maximum	69	79	82	84	87	90	90	83	87	86	85	86	83	82	82	84	80	81	81	73	74	80	85	81	72	76	84	79	71	81	..	81.2
	Minimum	53	48	52	57	58	60	65	65	69	68	65	65	69	69	68	65	68	66	70	50	48	50	60	67	53	52	68	70	60	49	..	60.9
Bowling Green	Maximum	72	83	88	93	96	96	94	88	86	92	89	90	90	87	86	79	78	93	91	80	81	93	95	87	85	94	95	85	82	89	..	87.9
	Minimum	54	58	56	60	63	67	68	68	65	66	66	70	70	70	68	68	70	71	60	54	58	64	75	59	58	71	70	68	63	63	..	64.0
Clermont	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Danville	Maximum	71	78	82	87	89	92	91	85	88	88	88	87	88	83	82	78	85	87	86	79	75	84	88	83	79	80	87	85	75	81	..	83.7
	Minimum	53	49	54	57	64	61	63	66	67	65	66	64	65	66	63	67	67	68	53	48	48	62	68	55	54	67	71	65	57	55	..	61.2
Dix Dam	Maximum	71	81	84	90	92	95	95	93	91	90	91	90	90	88	85	83	87	89	87	86	77	87	90	84	85	84	81	89	86	80	84	86.7
	Minimum	57	52	65	56	63	61	61	66	69	69	67	69	69	66	71	66	67	72	71	53	49	49	63	73	58	55	71	73	67	54	..	63.1
Eubank	Maximum	77	80	86	84	91	92	89	92	91	88	89	88	81	88	89	86	84	78	88	79	69	85	88	89	80	81	86	84	87	84	..	85.1
	Minimum	51	49	51	57	59	61	61	62	63	64	64	60	59	61	62	64	65	65	68	54	48	46	59	58	46	48	56	58	54	56	..	57.6
Frankfort	Maximum	77	82	86	89	92	95	93	87	90	90	93	92	92	86	87	86	87	89	90	78	86	90	94	90	84	82	81	90	87	77	84	86.3
	Minimum	55	49	56	54	59	59	58	66	65	64	67	68	67	55	68	64	68	69	68	51	48	49	57	68	54	53	65	72	62	50	..	60.8
Glasgow	Maximum	69	79	87	89	92	93	93	90	88	89	88	89	87	86	86	82	80	89	88	85	76	86	91	90	78	86	89	88	76	84	..	85.8
	Minimum	53	50	52	57	65	65	66	65	69	66	66	68	66	68	68	67	70	70	68	58	49	50	67	68	53	53	71	70	65	49	..	62.4
Greensburg	Maximum	72	80	87	90	91	90	91	89	92	92	91	90	90	82	82	78	83	92	87	83	83	90	94	80	84	89	92	86	79	87	..	86.8
	Minimum	51	47	49	53	57	60	61	63	64	63	63	64	63	65	66	63	67	66	66	53	45	45	57	68	50	49	69	67	62	46	..	58.7
Irvington	Maximum	73	82	87	90	92	95	93	91	92	90	94	90	87	86	87	83	88	88	86	78	81	87	92	83	80	88	82	82	78	85	..	86 1
	Minimum	55	48	54	60	60	62	66	65	67	66	66	66	67	67	66	69	68	68	53	49	50	63	61	54	50	73	70	59	48	..	..	61.2
Leitchfield	Maximum	70	78	83	88	90	91	90	87	84	88	89	87	85	82	83	79	84	86	87	80	75	84	89	86	79	85	88	84	76	82	..	83 9
	Minimum	55	51	55	59	62	66	68	65	67	66	66	65	69	68	69	67	69	69	67	55	49	53	62	68	57	57	73	68	60	54	..	62.6
Lexington	Maximum	70	79	87	88	92	94	93	89	89	89	92	90	88	85	85	84	87	90	88	75	77	85	88	81	80	80	88	84	74	84	..	85.1
	Minimum	52	48	56	59	63	66	67	64	67	68	68	68	68	67	68	65	68	70	63	52	50	52	60	50	62	70	65	53	69	67	53	61 1
Louisville	Maximum	69	80	85	88	90	92	90	87	88	87	90	86	86	83	84	81	84	86	74	77	85	91	76	78	80	89	92	75	83	..	..	83 8
	Minimum	57	52	61	64	67	68	71	69	70	70	70	72	72	71	70	70	72	66	61	54	58	68	66	62	58	76	71	61	58	..	..	65.8
Do. Bowman Field	Maximum	69	82	86	88	90	93	91	89	90	89	92	87	87	85	86	85	85	86	87	75	80	86	90	75	78	80	89	83	78	83	..	84.7
	Minimum	54	49	59	61	63	64	66	65	69	69	69	70	71	69	69	68	70	71	62	56	50	51	66	62	58	55	75	69	57	53	..	63.0
Mammoth Cave	Maximum	60	72	79	85	87	91	92	90	86	87	88	89	86	86	83	82	78	84	89	86	74	77	85	91	82	86	87	90	81	76	..	83.4
	Minimum	51	46	49	53	61	61	64	63	65	64	63	67	65	65	68	63	69	69	63	52	46	46	60	75	53	52	67	74	62	47	..	60.4
St. John	Maximum	69	76	82	82	87	88	88	81	80	83	88	82	83	80	80	72	75	88	82	72	74	78	88	75	76	83	86	80	74	80	..	80.2
	Minimum	52	59	57	59	60	62	67	63	63	64	65	65	66	66	61	62	66	66	67	55	53	59	60	58	58	60	69	70	60	60	..	61.8
Shelbyville	Maximum	68	78	84	87	89	91	89	85	88	87	90	85	87	85	84	81	84	83	85	77	77	84	88	80	78	78	88	83	73	81	..	83.4
	Minimum	53	47	54	57	59	61	64	63	64	65	65	66	67	66	66	62	66	66	67	50	48	49	58	65	53	51	65	68	58	49	..	59.7
Smith's Grove	Maximum	70	80	87	88	91	93	92	93	91	87	90	89	88	85	83	80	83	90	89	77	78	87	100	88	81	89	91	83	84	84	..	86.6
	Minimum	53	47	53	57	62	64	65	64	66	66	64	67	67	68	67	66	69	69	64	53	50	52	62	56	55	55	71	65	52	50	..	60.7
Stearns	Maximum	64	74	86	84	89	90	88	87	87	87	86	85	84	84	80	76	76	84	85	74	76	84	86	83	75	80	85	83	75	81	..	81.9
	Minimum	52	53	52	57	61	64	62	64	63	65	66	63	65	65	66	66	67	66	66	57	49	50	60	62	56	56	66	64	63	49	..	60.8
Taylorsville	Maximum	70	..	..	88	90	92	93	92	93	87	88	88	88	86	86	83	86	91	78	77	85	91	80	82	86	87	90	81	76	..	..	86.3
	Minimum	56	..	..	49	58	59	64	64	65	63	68	68	71	67	64	65	66	65	70	51	46	47	54	65	53	51	56	54	55	48	..	59.5
Williamstown	Maximum	69	78	84	89	91	94	94	85	90	89	89	89	87	89	83	86	85	86	85	74	73	82	90	82	79	75	85	86	79	81	..	84.3
	Minimum	55	52	60	62	63	67	69	66	68	66	68	69	69	68	68	67	68	69	69	52	49	53	63	67	54	50	69	69	59	53	..	62.4
Eastern Division.																																	
Annville	Maximum	68	78	85	85	89	90	91	86	87	89	89	89	84	..	81	78	82	88	87	75	75	84	87	85	77	80	85	85	76	81	..	83.3
	Minimum	54	47	50	52	55	56	60	64	64	66	64	64	63	..	65	64	64	66	68	58	46	45	56	58	53	50	63	62	66	45	..	58.2
Ashland	Maximum	71	82	86	90	93	95	95	88	90	90	93	94	91	90	85	86	85	88	88	78	75	83	92	86	82	80	86	90	85	83	..	86.7
	Minimum	56	58	56	56	59	60	63	66	67	67	69	67	68	70	65	69	72	68	58	48	49	62	70	60	53	61	69	68	50	..	..	62.1
Berea	Maximum	75	77	84	83	85	88	92	87	89	89	90	89	88	85	82	80	84	90	86	83	75	85	90	84	79	92	..	..	..	..	..	85.0
	Minimum	54	48	51	51	63	54	65	67	67	62	62	67	61	70	64	66	66	68	54	48	47	63	70	55	53	..	..	..	..	..	..	61.4
Farmers	Maximum	70	79	84	87	89	89	90	91	87	88	89	89	87	83	83	83	86	76	84	85	85	75	83	84	74	75	76	85	85	81	81	83 2
	Minimum	55	51	55	53	57	70	62	65	66	65	65	67	65	65	70	65	68	70	66	49	45	46	56	68	59	49	62	69	66	48	..	60.6
Heidelberg	Maximum	70	80	86	87	91	89	90	89	89	89	90	92	88	85	88	77	80	88	88	78	85	89	85	78	79	86	87	87	77	79	..	84 6
	Minimum	56	50	52	53	56	67	62	69	66	66	66	66	65	65	65	65	68	69	69	56	53	47	55	72	55	52	65	69	65	48	..	60.4
Lynch [near]	Maximum	58	66	75	78	76	80	82	77	74	72	80	79	73	71	72	66	64	75	74	68	65	72	76	74	66	67	73	71	66	67	..	72.1
	Minimum	44	45	53	59	56	62	58	62	59	59	60	62	59	60	60	60	60	60	61	51	44	50	58	59	49	46	57	60	54	46	..	55.8
Maysville	Maximum	72	81	85	88	90	94	92	86	88	86	89	89	89	87	89	86	81	86	86	82	75	83	88	82	79	75	86	87	80	84	..	84.8
	Minimum	57	50	54	57	60	61	66	66	67	65	67	68	68	66	69	65	69	71	69	49	47	63	70	55	52	62	73	64	50	..	..	61.5
Middlesboro	Maximum	69	80	87	83	89	92	92	84	88	85	90	88	86	86	82	76	77	85	88	78	81	84	87	88	80	82	85	84	79	82	..	83.9
	Minimum	56	52	53	55	67	61	67	65	65	66	63	66	64	66	66	69	69	66	66	61	48	50	50	67	68	55	65	65	65	51	..	60.9
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	72	83	89	90	93	95	91	90	92	90	92	91	92	94	87	76	78	88	90	79	80	89	92	90	81	80	90	92	81	84	..	87.0
	Minimum	52	54	53	56	59	59	62	65	64	66	65	66	67	68	66	66	67	69	66	51	50	49	58	61	56	52	63	65	64	52	..	59.8
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	49	50	50	53	56	56	62	64	63	64	63	64	64	65	64	64	58	67	65	52	47	46	56	64	54	50	62	64	53	49	..	57.8
Richmond	Maximum	67	75	84	85	88	90	90	88	88	86	88	88	88	85	82	80	80	83	82	76	76	80	87	80	78	80	85	83	73	80	..	82.4
	Minimum	55	52	58	62	65	66	70	66	67	68	70	70	68	68	70	68	70	70	68	58	55	57	70	58	58	60	70	66	56	..	..	64.4
Williamsburg	Maximum	76	76	85	79	83	91	91	89	88	88	89	88	89	88	86	78	76	82	82	80	87	90	86	79	83	78	84	78	84	80	..	84.5
	Minimum	50	52	52	61	59	61	68	60	58	61	67	65	62	68	62	60	61	61	58	57	48	60	61	64	58	64	59	63	57	61	..	59.4
Winchester	Maximum	69	79	84	86	88	92	89	85	88	86	87	86	87	83	82	80	82	85	84	78	74	81	86	80	78	76	85	88	74	80	..	82.6
	Minimum	55	54	54	64	63	64	67	65	67	67	67	68	67	67	69	65	67	70	68	51	49	52	62	66	56	54	66	71	64	52	..	62 4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 7 27 40 11m

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., JULY, 1940 No. 7

GENERAL SUMMARY.

Abnormally low temperature, averaging about 5° below seasonal means prevailed in the period 1st-18th. On account of the cool weather moisture deficiencies already present in northern and western localities had little adverse effect on crops. The limited rainfall was sufficient for the slower growth due to the low temperature. Weather warmer than the average from the 19th to the end was accompanied by lack of rain in most of the State. With the exception of a belt one to two counties wide along the south boundary from Logan County eastward and widening considerably in the southeastern mountains, precipitation was generally below normal. The central bluegrass region received near normal rainfall, which was sufficient to keep crops in good growing condition. The deficiency increased irregularly toward the Ohio and Mississippi Rivers. The northwestern and most northeastern districts received only one-fourth to one-half of the seasonal amount. Areas of decided dryness, with crops beginning to suffer quite seriously, developed in the central counties and near the north border of the State. On the northern and western uplands the larger part of the corn crop reached the tasseling stage and was in its most critical condition to withstand dry weather. With temperatures in the last week rising to 100° or higher, tassels began to bleach and silks to scald. Except in the driest localities, late corn was generally benefited by the higher temperatures, although there was a tendency to premature tasseling. In east-central and most southern districts crops made good progress. The hot weather caused marked improvement in cotton. Late tobacco, already variable in stand and size, became more irregular during the hot dry period. Late potato planting began with the soil relatively cool and moist, but ended in the heated period with these conditions much less favorable, Threshing and combining were finished in ideal weather, with the grain thoroughly dry. In northern sections gardens deteriorated and pastures dried seriously on the hills and uplands during the last week or ten days. The high temperatures caused blistering of tomatoes. Growth of alfalfa, soybeans and lespedeza was checked in the dry regions, but continued favorably in the east-central and southern counties.

TEMPERATURE.

There were only three to four days with normal temperature in the first half of the month. Prior to the 19th daily averages ranged from 5° to 10° below normal. Low minima characterized the period, often registering below 60°. From the 19th to the end temperatures on most days averaged 5° to 10° above normal. On the 29th and 30th afternoon temperatures reached or passed 100° at many stations. Maxima from 90° to 100° were of daily occurrence during the last decade. Extremes for the month were 102 at several stations on the 29th or 30th, and 46° at Annville and Farmers on the 4th or 5th.

PRECIPITATION.

The average rainfall was about 65 per cent of the normal amount for July. Its distribution was extremely irregular. Districts of two or more counties in size southwest of the lower Green and in the valley of the lower Licking received 1.0 inch or less. In a broad belt roughly paralleling the Ohio River and broadening southward across the central part of the State most stations reported from 1.5 to 2.5 inches. This belt was broken by a small area in the lower Green River Valley where 3.0 to 4.0 inches occurred. A few stations in the central bluegrass region reported 4.0 to 5.0 inches, otherwise the rain in that district ranged from 3.0 to 4.0 inches. Along the south border from Logan county eastward and also in the southeastern mountain region from 4.0 to 5.5 inches occurred. The range for the State was between 0.29 inch at Cold Spring, Campbell County, and 10.87 inches at Lynch (near) on Big Black mountain, Harlan County. Scattered showers occurred from the 2d to 11th and 20th to 31st. Rain was fairly general in the periods 12-13th and 16-17th. Heavy local rains fell in the lower Green River Valley on the 2d and in northeastern districts on the 16th or 17th. Days with thunderstorms were: 1, 2, 11, 12, 15, 16, 21, 22, 23, 24, 28, 30, 31.

MISCELLANEOUS.

Rivers:—The Ohio declined from moderate stages on the 1st to pool stages near the middle of the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity	Maximum velocity.	Direction.	Relative humidity. Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.05	30.29	5	29.86	25	6.4	32	n.	16	86	59	64	83
Cincinnati ..... Ohio	30.08	30.38	5	29.85	25	5.8	18	nw.	23	79	43	55	83
Evansville ..... Ind.	30.06	30.34	5	29.86	25	7.2	81	n.	16	77	48	53	79
Louisville ..... Ky.	30.07	30.34	5	29.84	25	7.4	24	n	11	84	50	56	81

COMPARATIVE DATA FOR JULY.

Year.	Temperature. †Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	75.1	98	50	5.62	..	..	..	..	..
1890	73.0	101	44	2.66	..	..	..	..	..
1891	74.0	91	47	4.08	..	..	..	..	..
1892	76.5	100	48	3.30	..	..	..	..	..
1893	78.8	101	50	3.48	..	..	..	..	..
1894	76.2	105	48	2.03	..	..	..	..	..
1895	75.2	99	49	5.75	..	9	10	13	8
1896	77.4	103	47	7.44	0	11	11	12	8
1897	77.8	107	50	4.79	0	10	14	11	6
1898	77.8	102	48	4.71	0	11	13	13	5
1899	77.3	100	47	3.78	0	9	15	10	6
1900	77.9	101	50	4.91	0	11	15	11	5
1901	81.7	112	48	1.72	0	5	21	7	3
1902	78.1	107	48	1.91	0	6	19	9	3
1903	77.5	104	49	3.53	0	8	17	9	5
1904	75.2	99	46	3.40	0	10	16	9	6
1905	75.9	102	52	5.93	0	13	14	9	8
1906	75.2	100	51	6.02	0	11	14	9	8
1907	78.1	102	40	4.71	0	9	18	8	5
1908	76.9	100	50	3.94	0	10	16	8	7
1909	74.8	99	48	6.01	0	11	14	9	8
1910	75.2	96	51	8.63	0	16	10	9	12
1911	75.8	105	42	2.28	0	7	16	8	7
1912	76.8	100	53	5.50	0	12	13	10	8
1913	79.9	109	48	2.54	0	7	17	10	4
1914	78.8	109	43	3.20	0	6	17	9	5
1915	75.7	102	49	5.30	0	11	14	11	6
1916	78.6	102	52	4.17	0	9	17	9	5
1917	75.3	100	50	4.38	0	11	12	10	9
1918	73.8	103	46	3.28	0	8	15	9	7
1919	79.5	104	50	2.10	0	5	20	8	3
1920	75.2	99	44	3.83	0	9	16	9	6
1921	81.1	106	52	2.65	0	7	17	10	4
1922	76.4	102	47	4.77	0	9	17	9	5
1923	76.8	99	44	3.59	0	8	17	9	5
1924	73.8	99	45	3.53	0	8	18	8	5
1925	76.7	105	46	3.93	0	9	15	10	6
1926	77.6	107	43	4.36	0	9	16	9	6
1927	75.7	101	45	3.71	0	9	17	9	5
1928	77.0	100	50	4.07	0	8	17	10	4
1929	76.7	101	46	3.97	0	9	16	10	5
1930	80.5	114	45	1.25	0	5	21	7	3
1931	79.0	104	51	3.85	0	8	18	8	5
1932	78.5	103	49	4.31	0	8	19	7	5
1933	77.0	106	47	6.05	0	10	15	8	8
1934	81.2	110	7	4.34	0	10	15	10	6
1935	78.8	103	6	5.16	0	10	16	10	5
1936	81.4	113	46	3.78	0	10	15	10	6
1937	75.6	102	41	2.04	0	7	17	10	4
1938	77.2	100	52	7.27	0	11	13	9	9
1939	76.5	102	50	4.83	0	9	15	11	5
1940	75.5	102	46	2.68	0	7	14	10	7
Period	77.1	114	40	4.16	0	9	16	9	6

†52-year averages.

Climatological Data for July, 1940.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	28	75.7	− 2.1	98	29	52	5†	23	4.09	+0.11	3.14	0	6	7	14	10	sw.	Eldred G. Young.
Calhoun	McLean	437	36	77.8	− 0.6	101	28	53	14	35	3.03	−0.47	2.17	0	8	18	4	9	.....	R. C. Bennett.
Earlington	Hopkins	420	46	78.2	− 0.7	100	28	53	14	36	0.98	−2.47	0.33	0	7	21	5	5	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	0.59	−2.63	0.35	0	7	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	1.27	.....	0.53	.....	9	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	28	76.0	− 2.0	100	26†	50	5†	37	1.84	−1.91	0.60	0	7	18	12	1	s.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	4.10	.....	3.04	0	10	14	12	5	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	77.4	.....	102	30	51	4†	33	1.37	−1.82	0.83	0	3	13	16	2	sw.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	76.8	− 2.3	100	28	54	14	29	2.18	−1.55	1.30	0	6	17	14	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	74.6	.....	97	28†	54	5	28	1.68	−3.70	0.60	0	5	18	10	3	s.	Blaine Malone.
Mayfield	Graves	364	31	77.3	− 2.7	100	29	57a	4	29a	1.41	−2.13	0.40	0	7	15	13	3	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	76.2	− 3.2	100	30	57	1†	28	1.26	−2.13	0.57	0	5	10	8	13	s.	Ralph B. Wear.
Owensboro	Daviess	420	43	76.6	− 1.2	99	30	55	13†	29	3.12	+0.09	1.21	0	4	23	3	5	sw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	3.46	+1.15	1.42	0	4	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	78.2	− 0.8	98	29	60	4†	29	1.43	−2.05	0.87	0	5	17	12	2	.....	Joe Lagore.*
Princeton	Caldwell	529	33	77.5	− 1.1	102	30	54	4†	33	1.75	−1.09	1.14	0	6	12	13	6	s.	S. J. Lowry.
Ramsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	3.68	+0.60	3.14	0	6	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	76.0	− 2.2	98	29	52	4	31	4.33	+0.06	2.16	0	11	20	4	7	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	1.16	−2.01	0.49	0	4	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	2.94	−0.14	0.99	0	5	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	74.2	− 2.1	97	30	51	4†	30	2.15	−1.95	0.84	0	5	20	3	3	sw.	C. E. Barret.
Bowling Green	Warren	500	44	77.4	− 1.9	100	28†	55	5	30	4.62	+0.64	1.65	0	9	18	2	11	w.	Miss Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	1.63	−1 77	0 50	0	9	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	2.29	−2.22	0.53	0	13	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	1.77	−1.58	0.92	0	4	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	471	2	77.0	.....	102	30	51	13	38	2.75	.....	1.79	0	5	7	17	7	s.	George Bohlen.
Cold Spring, Dam 86	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	0.29	−3.46	0.12	0	4	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	74.4	.....	97	29	49	5	33	2.88	−1.78	1.65	0	9	14	11	6	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	76.6	− 1.2	100	29	51	1†	35	2.85	−1.20	2.12	0	4	13	14	4	s.	Kentucky Utilities Co.
Eadsville	Wayne	672	.....	.....	.....	.....	.....	.....	.....	.....	2.21	.....	0.61	0	11	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	74.4	− 0.7	100	29	50	4†	34	1.91	−2.15	0.72	0	5	13	11	7	s	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	77.2	0.0	102	29†	50	4†	38	3.02	−0.94	1.33	0	8	14	12	5	s.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	1.37	−2.59	0.59	0	7	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	76.0	− 2.7	99	28	49	4†	32	1.81	−2.72	0.53	0	12	10	19	2	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	0.62	−2.95	0.49	0	3	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	74.9	− 1.7	99	27	46	5	36	2.30	−1.54	0.88	0	10	2	1	28	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	2.99	−1.06	1.94	0	7	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	76.4	− 1.2	99	30	50	5	35	2.72	−0.85	1.52	0	3	15	12	4	sw.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	1.02	.....	0.45	0	3	23	6	2	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	2.93	−1.46	0.96	0	8	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	76.0	− 1.1	100	29	51	13	29	1.34	−2.32	0.66	0	7	9	14	8	sw.	D. Lem Hughes.
Lexington	Fayette	989	56	76.4	+ 0.5	100	29	51	14	36	3.42	−0.23	1.70	0	9	.....	.....	.....	.....	U. S. Weather Bureau
LittleHickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	2.79	−1.06	1.32	0	4	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	1.12	−2.46	0.56	0	4	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	78.2	− 0 4	100	30	56	13	26	1.36	−2.34	0.98	0	4	19	8	4	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	75.7	.....	100	29†	54	4†	30	2.33	.....	0.68	0	7	.....	.....	.....	.....	U S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	74.4	.....	98	30	47	5	33	1.55	.....	0.55	0	11	9	14	8	se.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	2.73	.....	0.76	0	8	15	11	5	.....	E. O. Cooper.
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	1.71	−0.81	0 81	0	9	.....	.....	.....	.....	Chester Williams.
St. John	Hardin	777	44	.....	.....	.....	.....	.....	.....	.....	2.16	−1.17	1.00	0	5	14	12	5	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	2.95	−0.85	1.28	0	5	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	75.2	− 1.6	101	29†	50	4	33	2.45	−1.38	0.72	0	5	19	0	12	s.	Wills S. Ratta.
Smith's Grove	Warren	607	2	76.0	.....	101	29	52	5	35	3.56	.....	1.07	0	12	.....	.....	.....	.....	C. W. Guernsey.
Stearns	McCreary	1400	4	73.4	.....	95	29	54	4†	29	7.77	.....	1.95	0	16	1	16	14	sw.	Airway Station.
Taylorsville	Spencer	489	34	74.8	− 1.5	98	30	48	5	34	5.40	+1.38	4.80	0	2	27	4	0	w.	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	5.83	+1.65	2 91	0	8	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	76.0	− 0.2	100	29†	49	13	28	1.51	−2.05	0 45	0	6	26	2	3	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	1.84	−1.63	0.74	0	9	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	9	*73.2	.....	97a	27	46a	5	35a	4.23	.....	0.80	0	13	6	19	6	sw.	W. A. Worthington.
Ashland	Boyd	534	23	76.2	− 0.5	100	28	50	5	35	2.42	−1.77	1.12	0	7	15	10	6	sw.	Lockmaster.
Berea	Madison	1070	37	*75.8	− 1.0	98a	29	49a	7	34a	1.86	−2.98	0.96	0	7	18	5	8	sw.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	4.09	+0.68	1.10	0	8	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	1.44	−1 98	0.71	0	4	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	1.49	−2.19	0.94	0	6	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	73.4	− 1.7	95	27	46	4†	32	3.71	−0.67	1.43	0	8	4	20	7	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	3.34	−0.35	1.72	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	4.28	−0.52	1.96	0	8	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	4.00	−0.12	1.96	0	5	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	1.29	−2.06	0.96	0	3	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	5.78	+0.74	1.67	0	10	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	75.0	.....	99	29	51	4	33	3.76	−1.02	1.21	0	11	5	13	13	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	2.74	.....	0.67	0	8	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1666	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	1.09	−2.46	0 70	0	5	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	65.6	.....	83	28†	49	4	21	10.87	.....	2.56	0	13	17	5	9	s.	James S. Allen.
Maysville, Dam 33	Mason	524	42	76.0	− 0.8	99	28†	47	4	34	0.90	−3.42	0.44	0	5	10	18	3	s.	Lockmaster.
Middlesboro	Bell	1128	41	73.7	− 1.6	95	28†	51	5†	28	4.44	−0.46	1.96	0	12	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	0.48	−3.77	0.32	0	3	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	1.67	.....	0.64	0	11	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	636	4	75.7	.....	99	28†	53	5	31	5.27	+1.05	1.69	0	13	1	14	16	e.	U S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Caney Run Com. Cen.
Quicksand	Breathitt	732	14	75.0	− 1.6	100	30	47	5	36	2.86	−3.07	0.70	0	6	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	2.19	−2.88	0.53	0	6	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	76.0	− 0.9	97	29	53	4	25	3.27	−0.75	1.40	0	6	21	7	3	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	3.22	−0.82	1.24	0	8	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	1.26	−3.46	0.56	0	5	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	73.0	− 4.2	97	28	48	3	33	4.18	−0.56	1.58	0	12	15	8	8	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	2.46	−2.36	0.86	0	8	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	75.2	.....	96	28†	50	4	32	3.72	.....	2.60	0	8	.....	.....	.....	.....	Airway Station.
State averages and extremes		.....	.....	75.5	− 1.6	102	29†	46	4†	33	2.68	−1.48	4.80	0	7	14	10	7	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for July, 1940.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.		3.14					.01					.56				.36					T.	.01	T							.01	T.	4.09
Calhoun G.		2.17							.03			.06				.16								.41					.05	.10	.05	3.08
Earlington [2] G.							.33	.07	T.			.02	.06			T.							.15	.10	T						.25	0.98
Fords Ferry Dam 50[3] T.								.01	.01	.02		.35	T.				.01								11					.05	0.59
Gilbertsville[3] T.	T							.06	.02	.03		.84	.18								.07		.02	.03	.53						1.27
Greenville G.							.54	.05				.16				.15						.05	T.	.60						T.	.30	1.84
Hartford G.		3.04					.03	T.	.01		T	.27			T.	.39					T.	.02	.10	.04						.13	.07	4.10
Henderson O.		.44										.53				.10						T.								T.		1.07
Hopkinsville[2] T.							T.	.03				.58	.23			.02								.02	1.80							2.18
Lovelaceville M.											.60	.48									.40									.10	.10	1.68
Mayfield M.							.05	.29				.40			.16						.01	.20	T.	T.						T.	.30	1.41
Murray T.		.04										.19			.57							.06									.34	1.20
Owensboro [4] O.		1.21										.70	.06			T.	1.15						T.							T.		3.12
Owensboro, Dam 46 [3] O.		1.25										.75	.04				1.42															3.46
Paducah[3] O.		T.					T	.33	.01			.87	.19				T.				T.	T.	T.	.03	T.						T.	1.43
Princeton G.							T.	.12		T.		.02										.02	.36							.09	1.14	1.75
Rumsey, Lock No. 2 [3] G.		3.14						.01	.04			.05					.10								.84							3.68
Russellville [2] G.				.10			.01	.19	.03	.03		1.22	.01			.05				.03			.50		2.16							4.33
Uniontown, Dam 49[3] O.		.01										.39					.27									.49						1.16
Central Division																																
Addison, Dam 45. [3] O.		.20									.34	.50	.90			.84	.99						.35								.19	2.94
Anchorage O.		.09										.26	1.65			.16							.35		1.00							2.15
Bowling Green [2] G.			.25	T.			.40	.50	.05			.32	1.26			T.	.18						.15		.06		T.				T.	4.62
Bowling Green No. 2[3] G.			.37	T.			.22	.20	.14			.20	.15			.05	.50						.09				.12					2.90
Brownsville, Lock No. 6[3] G.		.35						.15	.02			.20	.15			.05	.50						.05		.35					.15	.12	1.54
Burnside[3] C.		.05	.25	.33			.03	.53	.25			T.	.08				.10															2.29
Carrollton Lock No. 1[3] K.												.92	.45				.30								.10							1.77
Clermont S.										.03	.01	.90				1.79								.02								2.75
Cold Spring, Dam 36[3] O.	T.											.08	.01			.08	.12								T.					T.		0.29
Danville[3] K.		12									.01		.78				1.65				.07	.03	.07		.03						.10	2.88
Dix Dam, Burgin K.	.19											.44				2.12														.10		2.85
Eadsville [3] C.			.09	.18			.17	.61	.20	.03			.10				.13				.30				.21						.17	2.21
Eubank C.				.10													.40			.14				.72						.55		1.91
Frankfort, Lock No. 4[2] K.		.04								.45	.01	.27	.27			.14	.51							1.33		T.						3.02
Gest, Lock No. 8 [3] K.										.03	.03	.59	.09			T.	.42							.02							.19	1.37
Glasgow G.		.01	.01	.04			.08	.21	.11	.21	T.	T	.27				.28				.04			.53							.02	1.81
Grant, Dam 33[2] O.	T.											.02	.14				T.												.49			0.62
Greensburg [2] G.		.38					T.	.26	.06			.04	.29				.39						.28		.05	.28				.82		2.30
High Bridge, Lock No. 7[2] K.		.17						.01			.22	.18	.45			T.	1.94														.02	2.99
Irvington O.	T.	.10										1.10				1.52						T.								T.		2.72
LaGrange O.												.45				.34									T.					.23		1.02
Lancaster[2] K.	.08										.50	.95			.04		.96				.15	.05								.20		2.93
Leitchfield [2] G.		.66										.22				.40						.01	.03	T.						.01	.01	1.34
Lexington [2] K.	.03							.02	.01	.32	.64	.30				1.70				T.				.37						.03		3.42
Little Hickman, Lock No. 8 [2†] K.		.18										.94				T.	1.32														.36	2.79
Lockport, Lock No. 2 [2] K.												.56	.10				.39								.07							1.12
LOUISVILLE[1] [2] O.	.01										.20	.78				.37						T.	T.									1.36
Do. Bowman Field O.	.06							T.		.43	.26	.68				.40							.28							.22		2.33
Mammoth Cave[2] G.		.22	T.				.03	.04	.03	.01		.55	.10			T.	.50						.02		.04						.01		1.55
Monticello [2] C.					.29		.18	.76	.25	.10			.76			.25									.20						.70		2.78
Munfordville [2] G.		.31					.09	.13						.12	T.		.27					.28	T.	.06	T.				.18	.27		1.71
St. John [2] S.		.43							.01			.31	.41			1.00																2.16
Salvisa, Lock No 6 [2†] K.		.28									.20	.28	.44				.75																2.95
Shelbyville [2] S.		.03								T.	.33	.70	.67				.72							T.							T.		2.45
Smith's Grove G.		.02	.42				.27	.04	.01		.02	.16			.18	.47								.74						.16	1.07		3.56
Stearns C.		1.26	.48				.60	1.20	.02	.02	.60	.10	.01			.73	T.			.12	.38			.20					.08	1.95	.02		7.77
Taylorsville S.										T.		1.10				4.80							T.										5.40
Tyrone, Lock No. 5 [3†] K.		.05							T.	.58		.88	.32			.78	2.91								.15					.16		5.58
Williamstown [2] L.		.04										.22	.06			.45	.33						.02	.38	.07							1.51
Woodbury, Lock No. 4[2] G.		.05						.07	.04	.03		.74	.08				.19						.02		.62							1.84
Eastern Division																																
Annville [2] C.	T.	.06	.23				.09	.20	.30			.32			.05	.58	.02							.44		T.	.34			.80	.80	4.23
Ashland [2] O.	.15											.11				.13	1.12						.19	.42					.30			2.42
Berea K.					.14	.03	T.					.30				.96						.15								.19	.09	1.86
College Hill, Lock No. 11[2] K.		.04						.04					.50			1.07	1.10						.08	.42						.84		4.09
Cynthiana [2] L.										T.	.08		.16			.71	.49						T.	T.								1.44
Falmouth[3] L.												.94	.01			.01	.23						.29	T.						.01		1.49
Farmers [2] L.	.05						.05	T.				.03	.15			1.43	.83							.19					.98		T.		3.71
Flemingsburg [2] L.	.20								.06			.87	.09			1.72	.54						.36										3.34
Ford, Lock No. 10 [2†] K.		.02						.01		T.		T.	.13		T.	1.96	1.28						T.	.55				.18		T.	.15		4.28
Grayson [2] O.	.20															.30	1.96							1.53	.10								4.09
Greenup, Dam 30[3] O.	.03																.96						T.	.30									1.29
Hazard [2] K.		.35	1.67	1.22				.43	.10			.28	.83		.35		T.						.10		.45								5.78
Heidelberg, Lock No. 14[2] K.		.03						.23	.04			.16	.18				.83						.03	.84	.20					.01	1.21		3.76
Jackson [2] K.		.11	T.	.05				T.	.10	.30			.60		T.	.67								.63	.28								2.74
Jenkins[3] B.																																
Louisa[2] B.	.08												.07			.17	.70													.07			1.09
Lynch [near] C.		.47	1.20				.25	.45	.11	.61		2.46	2.56			.77							.53	.22	.52					.72			10.87
Maysville, Dam 33[2] O.	.03											.20	T.				.44						.16	.07									0.90
Middlesboro C.		.05	.83				.15	.80	T	.02		1.96	.02			.84	T.		.05				.02	.16						.04	T.		4.44
Mount Sterling L.																																
Oneida [1] K.																																
Oneonta Dam 35[3] O.	T.											.32	T.			.02	.14						T.	T.	T.						T.		0.48
Paintsville [2] B.	T.	.64		.07	.08								.13				.30	.02			.11			.16	.07					.06	.03		1.67
Pikeville B.	.08	.02	1.69				.13	.04	T.		T.	.20			.23	.52	T	T.				.20	.84	.19					T	.14	.99		5.27
Pippapass K.																																
Quicksand[2] K.							.37		T				T			.26		.70					.35	.43	.25								2.36
Ravenna, Lock No. 12[2] K.		.07	T.	T.				.11	T.		T.	T.	.58		T.	.50	.53							T.	T.						.40		2.19
Richmond [2] K.		.20											.62			1.40	1.03						.02										3.27
Valley View, Lock No. 9[2] K.		.16						.01		.40			.20		.02	1.08	1.24													.11			3.22
Vanceburg, Dam No. 32 [3] O.											.08	.15					.86						.08	.09									1.26
Williamsburg[2] C.		.40			.11	.16	.08	.16	.25	.32	.43	.45				1.58						.05								.19			4.18
Willow, Lock No. 13[2] K.		.06						.28	.08			.28					.86							.46	.22						.22		2.46
Winchester K.	T.							.02	.01	T.	.03	.14				2.60					T.	.08	T.						T.	.11	.73		3.72

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy, (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for July, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	88	82	79	78	81	83	78	78	84	89	89	88	77	83	87	80	83	85	88	91	94	95	94	92	96	95	96	97	98	97	96	87.6
	Minimum	59	64	62	54	52	56	62	54	62	64	66	66	62	64	60	54	68	64	64	66	68	69	69	70	72	70	70	72	70	72	67	63.8
Calhoun	Maximum	92	87	86	84	83	85	80	80	87	93	91	89	81	88	90	83	85	90	90	93	96	97	98	95	97	96	98	101	99	99	99	90.6
	Minimum	63	68	61	66	56	57	62	66	65	66	67	66	57	53	65	61	57	59	63	66	68	69	71	73	71	72	71	71	71	73	70	64.9
Earlington	Maximum	88	85	83	82	84	85	82	81	88	92	91	82	79	89	90	81	87	89	91	93	96	94	94	96	96	96	98	100	99	99	96	89.9
	Minimum	64	66	61	57	56	58	64	66	66	68	70	69	69	53	66	69	56	57	64	69	69	71	72	74	75	76	76	73	74	75	72	66.6
Greenville	Maximum	87	84	82	82	85	87	78	77	86	92	90	83	79	87	90	86	83	88	92	98	96	95	96	95	96	100	96	100	100	96	96	89.7
	Minimum	61	65	62	52	60	50	61	64	64	62	64	67	56	60	63	62	68	54	60	64	64	67	68	69	70	69	69	69	71	65	62.4
Henderson	Maximum	92	87	80	81	86	88	76	79	90	94	92	82	78	84	96	77	83	86	89	92	93	97	97	97	98	97	100	98	98	102	99	89.9
	Minimum	64	67	68	51	53	55	59	68	65	65	69	64	55	51	67	61	61	56	62	66	69	71	73	74	74	74	75	74	71	73	74	65.0
Hopkinsville	Maximum	89	83	81	80	81	85	75	77	85	90	91	85	84	88	91	82	84	87	90	92	96	95	96	97	96	96	99	100	98	95	91	89.0
	Minimum	57	63	65	56	58	62	63	64	65	63	67	68	59	64	68	65	66	58	62	65	67	69	68	69	69	70	70	71	71	68	68	64.6
Lovelaceville	Maximum	82	80	79	78	75	82	76	75	78	84	88	84	76	83	83	83	83	81	87	88	90	84	86	89	91	93	95	97	97	97	96	85.2
	Minimum	57	64	64	55	54	57	61	65	68	64	65	65	59	67	66	67	57	56	61	64	67	62	69	71	74	72	71	69	69	71	69	64.0
Mayfield	Maximum	82	81	80	83	79	83	75	74	85	87	87	82	77	86	86	82	83	86	89	89	92	92	93	97	95	96	96	97	100	96	99	87.2
	Minimum	61	65	66	67	..	60	63	65	66	66	67	67	62	60	71	69	59	61	66	67	70	71	72	73	76	77	74	72	73	75	70	*67.4
Murray	Maximum	86	79	78	79	78	77	81	80	83	86	87	83	78	80	85	80	82	85	88	89	90	90	92	94	95	95	98	99	100	96	96	86.6
	Minimum	57	65	61	57	57	58	60	61	62	66	67	68	62	64	60	69	60	59	60	61	68	70	72	76	77	75	75	74	74	76	73	65.9
Owensboro	Maximum	89	85	81	82	84	86	84	80	87	91	89	85	78	84	88	78	81	86	88	89	92	92	94	98	96	96	96	96	97	99	95	88.3
	Minimum	61	64	60	58	57	58	62	64	65	66	67	66	56	55	62	68	69	59	66	66	68	70	71	71	70	71	71	71	71	72	70	64.9
Paducah (near)	Maximum	87	82	84	87	82	84	86	77	85	89	89	84	78	85	87	87	87	87	90	89	92	94	93	92	96	95	97	97	98	98	97	88.7
	Minimum	61	66	65	60	60	62	65	66	68	68	69	66	61	62	69	61	61	61	61	68	72	73	74	74	77	74	74	76	74	77	73	67.6
Princeton	Maximum	87	79	81	79	82	85	79	76	86	90	87	84	79	87	89	82	85	88	92	92	94	96	95	94	95	96	98	99	101	102	100	89.0
	Minimum	61	67	63	54	56	60	63	65	66	66	66	70	59	54	68	68	69	56	63	65	69	72	73	73	73	73	73	72	74	71	69	66.0
Russellville§§	Maximum	90	82	78	80	83	82	78	74	86	90	84	83	78	85	87	86	81	85	88	93	94	97	96	94	95	94	95	96	97	95	87.7
	Minimum	69	64	65	52	53	60	62	62	65	62	68	65	60	54	67	67	56	57	62	66	69	69	70	72	69	71	72	70	71	72	66	64.4
Central Division.																																	
Anchorage	Maximum	79	82	78	77	81	80	77	80	86	90	86	70	70	80	84	79	76	88	87	91	90	90	91	90	94	93	94	96	95	97	92	85.1
	Minimum	62	59	59	51	51	64	60	66	65	63	66	63	54	51	58	62	56	58	65	68	70	69	68	72	70	72	70	72	71	68	70	63.4
Bowling Green	Maximum	93	85	76	81	84	81	78	74	86	96	91	90	81	90	93	88	90	92	94	95	99	96	93	98	98	90	97	97	100	100	94	92	88.7
	Minimum	61	68	62	56	66	59	62	64	66	65	69	67	67	60	57	67	68	60	61	66	69	72	72	72	73	70	72	74	73	74	68	66.1
Clermont	Maximum	93	94	90	89	87	90	96	89	93	97	91	79	81	88	89	78	84	89	93	95	97	95	94	94	98	98	98	93	100	102	96	91.9
	Minimum	59	60	61	60	64	57	58	66	60	60	61	63	51	54	56	62	62	65	59	63	67	64	66	56	67	68	65	69	66	67	67	62.0
Danville	Maximum	81	80	77	77	80	80	78	75	85	88	87	88	76	84	85	80	78	84	89	91	91	92	91	94	94	95	97	95	97	97	91	86.0
	Minimum	64	61	57	62	49	56	59	64	60	62	65	64	55	61	60	62	58	58	62	66	68	70	70	73	68	72	71	69	67	70	65	62.9
Dix Dam	Maximum	85	86	81	79	81	83	86	82	88	93	91	78	78	86	87	86	80	87	91	93	95	96	96	92	96	96	96	98	100	98	95	89.0
	Minimum	51	63	58	62	61	60	56	58	60	63	68	66	56	51	61	63	61	58	67	67	70	73	74	80	72	75	73	72	74	71	68	64.8
Eubank	Maximum	86	84	73	80	81	83	74	76	85	89	83	85	81	79	80	84	82	89	94	94	93	94	94	90	96	96	97	98	100	94	96	87.5
	Minimum	49	67	60	50	50	58	58	62	62	62	64	55	61	50	62	59	55	62	65	64	66	65	68	65	69	70	68	70	68	67	67	61.4
Frankfort	Maximum	84	87	82	83	84	85	86	85	93	98	90	83	80	86	94	83	80	92	94	95	99	100	94	95	98	96	97	100	102	102	96	91.2
	Minimum	68	69	57	60	60	51	56	65	62	65	66	64	55	50	57	63	58	59	63	65	68	70	70	71	69	72	72	71	71	69	69	63.1
Glasgow	Maximum	87	86	79	81	81	79	77	75	84	87	87	85	81	83	84	83	84	86	88	92	92	93	98	93	95	95	94	95	99	98	95	87.3
	Minimum	63	67	64	49	49	58	63	65	66	64	69	67	60	63	66	65	58	57	64	70	70	69	69	72	70	71	74	70	69	71	65	64.7
Greensburg	Maximum	90	86	79	80	80	80	78	78	86	90	88	87	80	89	85	83	82	90	92	94	96	98	95	97	93	98	99	98	97	98	97	89.0
	Minimum	59	60	60	50	46	62	59	62	61	63	63	65	55	49	61	61	54	54	60	63	66	67	67	68	66	64	68	62	68	67	66	60.8
Irvington	Maximum	87	86	82	81	85	90	78	81	91	94	91	84	78	87	90	82	82	88	93	95	95	94	93	94	96	94	96	96	99	100	94	89.2
	Minimum	64	61	57	58	60	55	59	64	64	63	66	60	54	62	61	57	56	59	64	67	69	71	71	72	70	72	71	71	72	73	69	68.5
Leitchfield	Maximum	87	82	78	79	81	84	74	79	83	89	88	83	77	83	87	81	81	85	89	91	94	94	93	95	95	96	98	100	99	97	96	87.6
	Minimum	59	63	61	53	53	58	63	64	65	67	65	51	54	64	60	56	56	56	65	67	71	71	71	71	70	71	74	73	73	74	69	64.4
Lexington	Maximum	85	84	79	78	82	86	79	77	89	92	89	73	77	87	87	72	79	88	94	95	95	93	93	96	95	98	99	98	97	99	100	88.2
	Minimum	63	62	57	52	53	58	61	64	66	67	67	59	54	51	60	60	59	58	67	70	70	74	73	73	71	75	74	73	74	74	71	64.5
Louisville	Maximum	88	83	80	79	83	86	78	81	89	94	89	72	76	88	88	75	81	87	89	90	93	94	94	97	95	95	98	99	100	98	97	88.7
	Minimum	68	66	60	58	60	60	64	68	69	71	70	64	56	58	66	63	60	64	70	73	76	77	76	75	74	78	79	79	79	78	74	68.8
Do. Bowman Field	Maximum	84	85	80	80	84	86	81	83	90	93	89	72	78	84	88	76	79	88	91	92	95	94	94	98	96	96	96	99	100	100	94	88.4
	Minimum	65	62	59	64	55	59	61	68	66	67	69	62	55	54	61	61	58	60	68	70	72	74	72	73	72	75	75	76	76	74	71	65.9
Mammoth Cave	Maximum	83	87	80	76	78	80	80	72	77	83	88	87	81	78	84	85	81	81	87	90	91	93	94	95	91	91	94	96	96	98	97	86.3
	Minimum	59	62	59	50	47	55	63	63	65	62	65	65	56	50	62	68	63	64	62	66	68	69	69	70	67	69	72	68	68	69	64	62.5
St. John	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Shelbyville	Maximum	83	82	79	77	80	85	81	78	91	94	88	88	74	83	88	81	78	96	96	90	93	93	94	95	97	97	97	99	101	101	91	88.4
	Minimum	63	68	56	50	52	64	66	68	61	64	64	60	50	51	57	61	57	68	64	66	68	69	71	68	71	70	70	70	68	66	66	62.1
Smith's Grove	Maximum	89	86	74	81	81	81	71	76	86	88	88	80	79	85	87	82	83	86	89	92	92	95	96	91	98	95	94	97	101	94	92	87.5
	Minimum	59	65	68	56	52	61	63	64	65	63	68	64	69	53	68	62	56	58	64	71	71	70	72	71	69	70	78	71	70	67	65	64.5
Stearns	Maximum	85	79	68	74	77	77	70	72	83	84	83	80	70	84	80	88	77	84	88	85	90	89	91	88	89	94	94	94	95	90	90	88.5
	Minimum	57	63	59	54	54	68	59	62	62	64	66	66	59	54	64	64	61	68	67	65	66	68	68	69	66	70	70	68	67	64	63	63.3
Taylorsville	Maximum	88	88	80	82	82	85	83	82	91	90	88	80	76	88	87	78	84	86	89	90	97	92	91	91	94	96	97	97	98	97	92	87.4
	Minimum	52	60	66	49	48	51	64	57	62	62	63	61	54	51	59	68	58	58	60	63	62	78	71	71	74	71	71	72	71	72	69	62.2
Williamstown	Maximum	80	80	77	75	80	83	84	81	87	91	92	83	78	82	88	82	77	85	90	92	93	94	94	93	94	94	96	98	100	100	91	87.4
	Minimum	66	56	57	63	57	66	59	60	64	66	68	60	49	54	60	65	67	60	66	70	71	73	72	72	70	74	74	73	75	72	69	64.5
Eastern Division.																																	
Annville	Maximum	83	80	71	77	78	79	70	74	85	89	85	78	78	84	81	80	80	..	91	90	91	92	92	91	95	94	97	95	96	91	92	*85.2
	Minimum	57	62	68	53	46	52	58	62	60	61	62	66	49	60	63	62	..	58	65	63	65	65	67	65	68	70	67	67	68	64	*61.8
Ashland	Maximum	82	84	80	79	80	80	81	78	88	92	90	84	78	86	86	89	83	78	89	91	93	95	94	93	91	96	97	96	100	99	99	88.5
	Minimum	63	55	58	53	50	52	56	66	64	63	65	67	56	51	68	66	68	62	66	66	67	71	71	71	72	74	73	73	70	70	65	63.9
Berea	Maximum	..	..	..	..	..	82	75	76	86	89	87	83	76	80	85	81	77	86	88	91	91	92	91	95	96	96	96	98	94	93	*87.5
	Minimum	..	..	..	..	..	..	49	64	65	63	63	66	56	52	51	62	61	67	60	64	69	70	72	77	70	74	..	..	..	..	..	*63.1
Farmers	Maximum	81	77	76	78	77	79	80	75	85	90	90	88	77	88	87	82	77	87	89	92	93	90	88	91	94	93	95	94	93	91	93	85.1
	Minimum	64	57	53	46	46	51	55	60	61	62	64	65	56	47	56	64	62	69	62	66	61	68	69	72	70	72	71	70	71	69	66	61.8
Heidelberg	Maximum	82	80	78	77	80	83	73	80	86	90	86	81	76	85	85	80	79	87	90	93	95	93	92	99	95	96	97	95	99	97	95	86.6
	Minimum	65	63	68	51	48	52	59	65	62	64	64	67	58	52	60	66	64	60	62	67	65	69	69	68	71	73	69	71	71	66	68.5
Lynch [near]	Maximum	72	67	63	64	67	65	59	68	71	75	74	70	68	72	70	72	67	76	80	77	80	80	82	80	79	79	87	83	86	86	80	78.2
	Minimum	55	52	50	49	50	52	51	53	57	58	60	57	62	51	57	56	54	57	59	62	63	66	66	63	64	65	65	66	66	63	62	58.1
Maysville	Maximum	82	83	77	78	81	82	81	80	86	92	91	85	76	85	88	85	79	87	92	93	94	93	94	96	95	95	97	99	99	98	94	88.8
	Minimum	64	58	65	47	51	54	56	60	61	64	67	68	54	51	57	67	62	62	64	67	69	71	73	71	74	73	72	74	71	69	68	63.6
Middlesboro	Maximum	85	85	70	80	78	75	71	70	83	87	84	72	71	80	78	83	78	83	89	90	91	93	93	92	90	92	92	95	95	85	91	88.9
	Minimum	55	63	63	56	51	51	59	61	63	65	66	67	62	56	63	64	61	61	60	66	67	68	71	68	68	69	71	71	67	72	65	63.8
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	82	81	65	81	83	81	73	78	89	91	89	80	78	85	85	86	78	90	95	94	97	91	93	92	95	97	97	99	99	94	95	87.5
	Minimum	57	60	60	51	63	54	56	68	64	64	67	64	55	55	63	65	63	63	64	66	70	70	69	70	72	71	72	68	70	68	63	63.9
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	82	84	84	80	81	83	77	79	89	91	89	84	85	87	87	81	82	92	95	96	94	91	90	91	96	93	97	99	99	100	94	88.8
	Minimum	54	60	65	50	47	49	56	62	65	64	63	55	61	59	61	61	58	62	65	64	67	68	67	66	69	70	68	70	69	65	61	61.2
Richmond	Maximum	80	80	75	78	80	80	75	75	86	90	88	77	77	80	82	78	78	82	90	89	92	92	91	90	92	92	94	95	97	93	90	84.9
	Minimum	63	63	60	53	55	60	60	66	68	70	70	57	57	66	66	68	62	67	72	72	74	75	74	72	76	76	75	77	76	74	68	67.0
Williamsburg	Maximum	83	82	79	77	78	79	87	79	79	79	80	85	84	88	85	83	87	88	90	90	91	94	90	88	93	95	96	96	96	96	93	86.3
	Minimum	54	63	49	50	51	56	60	55	57	52	54	58	54	52	62	64	63	65	66	67	68	66	61	60	62	63	64	69	63	66	66	59.8
Winchester	Maximum	82	82	79	78	82	83	78	77	86	90	87	80	78	85	86	85	77	86	88	90	92	92	91	91	93	93	95	96	96	96	92	86.6
	Minimum	58	62	58	50	54	59	68	63	63	65	67	63	53	53	60	62	60	59	66	69	69	71	71	72	69	73	72	72	74	70	66	63.9

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*,†,‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 8 27 40 110

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

13 KENTUCKY SECTION.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., AUGUST, 1940 No. 8

GENERAL SUMMARY.

Temperatures above normal in the first 18 days continued the period of moderate heat that prevailed during the last decade of July. In most eastern and south border districts, where moisture was sufficient, these temperatures were favorable for crop development; but in the northwestern counties, some central districts, and the lower Licking Valley, where moisture was deficient, the hot weather increased the deterioration. Good rains in the third week fully restored growing conditions in the west-central counties. A strip along the lower Ohio from the Purchase to the valley of the lower Green remained dry throughout the month. In the northern part of the bluegrass region, and in most northern sections from the central counties westward upland corn and early tobacco fired rather generally. Early corn was damaged by the dry weather more than tobacco because it was caught during the period of pollenization. Forced cutting of early tobacco on account of extensive firing, occurred to some extent in the northern burley district. General rains that were heavy to excessive, late in the month in many eastern areas reduced the premature cutting and caused late tobacco to develop rapidly. In some southeastern districts the rains were too heavy and frequent for best results with crops. The rain exceeded the normal in most of the section from the central bluegrass region eastward, but was less than the average west of that area.

Pastures and forage crops in the northern and central sections varied greatly on account of the local character of the rainfall. They improved irregularly toward the south and east. At the end of the month soil moisture remained deficient in the northwestern and some central districts, but in most other sections there was enough to allow fall plowing to proceed. Tobacco was delayed in the dry sections where satisfactory growth of the late settings did not begin until after the rains of the last week. The long period of rather high temperature favored cotton, which advanced from a backward state nearly to seasonal development, with bolls about ready to open. Alfalfa harvest was reduced in places, but was good in most southern sections. Early soybeans withstood the dry weather fairly well. Late potatoes came up to poor stands and started badly. All vegetation was improving as the month ended.

TEMPERATURE.

Monthly temperatures averaged considerably above normal in the drier parts of the State and not far from normal but often below in the moist districts. Relatively cool weather prevailed from the 18th to 24th, otherwise temparatures were almost continuously above theaverage. As a rule the warmest weather occurred in the period 11-17th, when daily excesses in temperatures ranged from 5 to 8. At some eastern stations the warmest day was the 26th. The extremes for the State were 102 at Henderson on the 17th and 45 at several stations on the 21st, 22d, and 23d.

PRECIPITATION.

The rainfall for the State averaged near the August normal. In the mountain region and most of the Kentucky River valley, also at some southwestern stations, it ranged between 4.0 and 7.0 inches. The lower Licking Valley and most of the section from the bluegrass region westward received from 2.0 to 3.0 inches. A section along the lower Ohio from the Purchase to the lower Green River had only 1.0 to 2.0 inches. The range for the State was between 0.85 inch at Uniontown and 7.53 inches at Quicksand. Fairly general showers, some of which were heavy locally, occurred in the period 6-7th and 18-19th. Light to heavy rains fell from the 13th to 15th in eastern districts. The western division and to a lesser extent the central counties received light to moderate showers from the 9th to 17th. Rain visited all parts of the State in the period 22th-31st. Twenty-four hour amounts of 2.0 to 3.0 inches fell at some eastern stations on the 28th or 29th. Days with thunderstorms were: 4, 6, 10, 14, 15, 16, 17, 18, 26, 27, 28, 29, 30.

MISCELLANEOUS.

Rivers:—Run-off from the upper tributaries of the Ohio, caused by heavy rains in the mountain region, resulted in a moderate rise that began on the 16th and culminated in the lower reaches on the 23d. The heavy rains late in the month raised stages a few feet above pool levels.

Errata.—July, 1940, page 29: Heidelburg, minimum temperature should be 48 on the 5th.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.98	30.20	24	29.77	27	5.7	20	s.	27	88	58	62	76
Cincinnati ..... Ohio	30.03	30.27	24	29.73	18	6.9	21	nw.	27	79	47	57	67
Evansville..... Ind.	30.00	30.21	24	29.80	28	6.6	26	n.	18	76	49	54	65
Louisville ..... Ky.	30.01	30.22	24	29.77	18	7.0	30	n	19	84	49	58	73

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	70.6	100	43	1.23	..	..	..	..	..
1890	73.2	101	44	6.16	..	..	..	..	..
1891	72.9	105	43	5.82	..	..	..	..	..
1892	75.4	96	45	3.13	..	..	..	..	..
1893	74.8	99	48	1.72	..	..	..	..	..
1894	77.1	105	41	3.02	..	5	..	..	..
1895	76.6	102	49	2.15	0	6	16	10	5
1896	77.1	105	41	2.83	0	9	19	8	4
1897	75.2	101	49	2.33	0	7	18	10	3
1898	76.7	100	55	3.83	0	6	18	10	3
1899	78.1	102	51	3.09	0	6	16	11	4
1900	80.4	104	52	2.74	0	12	19	10	2
1901	75.5	101	50	5.12	0	7	12	9	10
1902	75.6	103	45	2.48	0	8	16	10	5
1903	75.5	100	49	3.27	0	8	15	11	5
1904	75.2	100	45	2.64	0	9	15	8	8
1905	75.7	99	42	3.82	0	10	16	8	7
1906	77.4	99	45	4.37	0	10	13	9	9
1907	74.8	99	48	4.27	0	6	15	7	9
1908	76.3	104	49	2.79	0	7	16	8	7
1909	76.9	104	45	2.60	0	6	19	8	4
1910	74.0	100	46	2.72	0	10	18	7	6
1911	76.2	106	45	4.03	0	13	13	7	11
1912	73.7	98	43	4.71	0	7	14	8	9
1913	78.0	108	44	2.81	0	12	16	9	6
1914	76.0	100	49	5.94	0	14	13	8	10
1915	71.3	100	42	6.29	0	9	9	10	12
1916	77.0	101	47	4.25	0	8	14	10	7
1917	73.9	100	42	3.49	0	7	16	8	7
1918	80.2	111	50	3.18	0	8	17	9	5
1919	75.0	104	47	3.49	0	13	17	8	6
1920	73.4	98	37	5.80	0	10	10	10	11
1921	76.0	101	48	5.28	0	6	16	9	6
1922	75.2	101	44	2.43	0	12	16	9	6
1923	75.4	99	43	6.03	0	12	13	10	8
1924	76.5	103	43	3.00	0	7	21	6	4
1925	76.5	106	44	1.47	0	5	21	7	3
1926	77.3	101	51	7.51	0	14	12	10	9
1927	71.1	97	43	2.88	0	8	16	8	7
1928	77.0	101	54	4.33	0	11	14	10	7
1929	74.0	100	37	2.06	0	6	19	7	5
1930	76.5	113	42	2.25	0	7	16	9	6
1931	74.9	102	45	5.36	0	12	13	9	9
1932	76.5	103	43	4.25	0	7	17	9	5
1933	74.7	99	51	3.30	0	8	10	6	15
1934	76.6	104	46	4.76	0	10	15	11	5
1935	77.0	105	42	4.22	0	9	16	9	6
1936	81.1	108	43	2.22	0	6	16	11	4
1937	78.0	100	53	3.64	0	9	15	10	6
1938	78.0	101	52	4.45	0	10	16	10	5
1939	75.8	99	43	2.88	0	8	16	10	5
1940	76.0	102	45	3.57	0	8	13	11	6
Period	75.8	113	37	3.69	0	9	16	9	6

†52-year averages.

Climatological Data for August, 1940.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	28	76.7	+ 0.3	98	17	47	22	37	2.91	−0.40	0.94	0	7	4	16	11	n.	Eldred G. Young.
Calhoun	McLean	437	36	78.4	+ 1.2	99	16†	48	22	40	2.65	−1.19	0.95	0	8	16	3	12	.....	K. C. Bennett.
Earlington	Hopkins	420	46	77.7	+ 0.4	96	17	52	22†	33	4.27	+1.02	2.00	0	9	15	11	5	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	1.27	−1.12	0.61	0	9	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	481	.....	.....	.....	.....	.....	.....	.....	.....	2.54	.....	1.42	0	8	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	76.7	+ 0.6	99	17	46	22	39	2.70	−0.76	0.68	0	8	20	10	1	s.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	1.79	.....	0.76	0	10	15	13	3	.....	W. R. Carson. Sr.
Henderson	Henderson	382	18	78.0	.....	102	17	47	22	39	1.81	−1.41	0.55	0	8	10	20	1	sw.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	77.6	− 0.3	98	16†	50	22	35	3.26	−0.28	1.18	0	7	21	10	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	77.4	.....	99	16	50	22	36	1.40	−2.18	0.60	0	5	21	7	3	s.	Blaine Malone.
Mayfield	Graves	364	31	78.6	+ 1.1	98	15†	53	22	33	2.31	−1.40	0.91	0	8	19	10	2	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	78.2	+ 0.6	96	18	51	20	29	4.05	+0.66	1.50	0	7	6	11	14	s.	Ralph B. Wear.
Owensboro	Daviess	420	43	76.7	+ 0.8	97	17	49	22	33	2.02	−1.42	1.46	0	6	19	5	7	se.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	2.80	−0.30	1.47	0	9	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	79.6	+ 1.3	100	5	55	22	34	2.36	−1.38	0.89	0	12	20	6	5	.....	Joe Lagore,*
Princeton	Caldwell	529	33	76.6	− 0.7	97	16	51	22	36	3.17	−0.43	1.56	0	8	12	13	6	s.	S. J. Lowry.
Rumsey, Lock 2 ‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	2.68	−1.59	0.83	0	10	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	75.8	− 1.2	96	16†	48	22	40	3.62	−0.09	1.18	0	7	18	9	4	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	0.85	−2.37	0.40	0	5	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 46	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	2.53	−0.61	0.60	0	8	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	75.0	+ 0.5	92	21	45	22	37	4.24	+0.59	2.10	0	7	16	10	5	sw.	C. E. Barret.
Bowling Green	Warren	500	44	78.8	+ 0.1	95	15†	56	23†	33	3.31	−0.32	1.00	0	9	19	8	4	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6 ‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	1.28	−2.97	0.50	0	5	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	5.65	+1.43	2.65	0	10	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	3.34	−0.48	1.42	0	6	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	75.6	.....	99	17	45	21	38	1.94	.....	0.76	0	7	9	14	8	w.	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	3.43	−0.21	1.38	0	8	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	75.5	.....	97	17	48	22	38	3.35	−0.34	2.13	0	9	13	11	7	se.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	77.5	+ 0.9	97	17	51	22	36	4.57	+0.91	1.37	0	8	10	14	7	se.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	4.17	.....	1.60	0	7	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	75.6	+ 1.7	98	17	46	19	39	4.29	+0.01	1.35	0	6	10	13	8	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	77.2	+ 2.0	100	17	48	22	42	3.42	−0.28	1.35	0	7	13	12	6	e.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	4.66	+1.10	1.71	0	7	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	76.4	− 0.6	95	17	49	22†	37	5.05	+0.59	2.45	0	12	10	20	1	e.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	3.45	+0.16	1.20	0	8	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	76.0	+ 0.8	100	17	45	22†	37	2.03	−2.15	0.58	0	9	3	2	26	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	4.08	+0.30	2.27	0	8	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	73.9	− 2.0	93	27	47	22	34	3.23	−0.27	1.18	0	8	7	18	6	ne.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	4.24	.....	1.52	0	10	19	7	5	ne.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	4.46	+0.42	1.92	0	7	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	695	44	76.3	+ 0.7	95	17	52	21†	34	1.17	−2.55	0.55	0	7	9	16	6	ne.	D. Lem Hughes.
Lexington	Fayette	989	56	76.2	+ 1.7	97	17	50	22	34	3.32	−0.13	1.24	0	8	20	7	4	.....	U. S. Weather Bureau
Little Hickman, Lock 8	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	5.08	+1.04	2.15	0	7	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	4.12	+0.34	1.26	0	8	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	78.6	+ 1.6	96	17	55	22	29	1.59	−1.83	0.63	0	7	14	11	6	ne.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	2	77.6	.....	96	17	48	22	28	1.77	.....	0.72	0	8	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	74.9	.....	93	16†	46	22	36	4.85	.....	1.50	0	10	10	14	7	ne.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	4.14	.....	1.70	0	7	20	4	7	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	2.54	−0.21	0.95	0	9	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	44	74.6	− 0.3	93	17	48	22	30	2.07	−1.86	1.20	0	9	9	14	8	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	3.57	+0.03	2.26	0	5	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	75.1	− 0.1	97	17	46	22	40	4.48	−1.79	1.33	0	10	4	0	27	ne.	Willis S. Ratta.
Smith's Grove	Warren	607	2	75.8	.....	95	16	48	22	39	1.78	.....	0.57	0	8	..	.....	.....	.....	C. W. Guernsey.
Stearns	McCreary	1400	4	74.5	.....	94	17	53	21	29	2.04	.....	0.82	0	9	0	22	9	sw.	Airway Station.
Taylorsville	Spencer	489	34	75.4	+ 1.2	95	14†	47	22	36	2.10	−1.40	0.80	0	4	23	4	4	sw.	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	2.51	−1.45	0.85	0	6	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	843	37	76.2	+ 1.9	95	5†	51	21	30	3.79	+0.06	1.62	0	7	27	1	3	w.	Miss Nora B. Simpson.
Woodbury, Lock 4 ‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	2.43	−1.40	0.90	0	9	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	9	*78.6	.....	91[a]	17	48[a]	23	37[a]	4.55	....	0.98	0	9	7	20	4	ne.	W. A. Worthington.
Ashland	Boyd	534	23	76.2	+ 1.4	95	5	51	21	32	3.16	−0.61	0.75	0	9	14	9	8	9.	Lockmaster.
Berea	Madison	1070	37	[b]75.5	+ 1.0	96	29	50[b]	21	34[b]	5.49	+1.28	4.52	0	5	18	9	4	sw.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	6.47	+2.37	2.21	0	11	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	1.26	−2.64	0.33	0	5	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	1.46	−2.52	0.45	0	5	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	72.3	− 0.5	91	26	49	23	34	5.06	+0.62	1.59	0	9	9	4	18	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	5.19	+0.33	1.22	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	5.77	+1.48	3.02	0	4	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	3.76	+0.13	0.75	0	6	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	3.67	+0.18	1.61	0	9	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	4.33	+0.32	1.62	0	7	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	75.0	.....	93	27	52	22†	33	3.76	−0.16	0.86	0	8	16	7	ne.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	6.57	.....	1.97	0	8	.....	.....	.....	.....	Jas T Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	5.41	+2.73	2.28	0	6	.....	.....	.....	.....	R. J Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	3.57	−0.54	2.00	0	6	.....	.....	.....	.....	Zeb Heston.
Lynch (near)	Harlan	4000	0	64.8	.....	80	28	48	20	23	7.22	.....	1.80	0	7	17	8	6	s.	James S. Allen.
Maysville, Dam 33	Mason	524	42	76.0	+ 0.8	96	18	48	21	35	4.84	+0.44	2.13	0	8	7	20	4	sw.	Lockmaster.
Middlesboro	Bell	1128	41	*74.4	+ 0.2	92*	11	51*	21	30	3.09	−1.47	1.30	0	9	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	2.16	−2.28	0.87	0	5	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	5.50	.....	2.90	0	9	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	696	4	75.4	.....	97	5	56	20†	30	5.19	+0.87	1.68	0	13	2	15	11	se.	U. S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Caney Run Com. Cen.
Quicksand	Breathitt	782	14	74.6	0 0	95	11	51	21	38	7.53	+3.12	1.63	0	6	..	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	5.23	+0.59	1.64	0	10	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	76 8	+ 1.3	92	17†	60	21†	27	4.76	+0.80	2.20	0	11	19	8	4	.....	L. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	2.77	−1.26	1.46	0	6	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	3.55	+1.03	0.91	0	10	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	78.2	+ 2.1	97	14†	54	21	43	.....	.....	.....	.....	.....	20	4	7	.....	Wadely West.
Willow, Lock 13	Lee	616	20	.....	.....	.....	.....	.....	.....	.....	5.18	+1.42	1.98	0	8	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	75.7	.....	94	17†	51	21	32	5.7	....	2.75	0	7	2	26	3	.....	Airway Station.
State averages and extremes		.....	..	76.0	+ 0.2	102	17	45	21†	43	3.55	−0.12	4.52	0	8	13	11	7	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for August, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.						.50			.70		.15					T.		.94									T	.35	.21	.06		2.91
Calhoun G.						.08			.02	.44			T.			.05		.69									.22		.80	.95		2.65
Carlington [3] G.	.70	.02				T.	2.00				T	.02	T.						.80							.07		.88	.25	.03		4.27
Fords Ferry Dam 50 [3] O.	.01	T.					T.	T.		T.	.02	.08	.01	T.			.61	.18	.31								T.	.02	.01			1.27
Gilbertsville [3] T.	.23	T.				T	1.42	T		.16	.12		T.	T.	T.			T.	.17							.05		.03	.17	.19		2.54
Greenville G.	.60					.44			.03	.05						F.		.40									.08		.45	.03		2.70
Hartford G.						.19			.13	T.	.07	.01	.01			.15	T.	.76	.6						T		.02	.40		.05	T	1.79
Henderson O.			.05			.11				.07							.35	.27									.55	.07		.31		1.81
Hopkinsville [3] C.	.18						1.18			.32		T.	.03					.20	.80											.58	T	3.26
Lovelaceville M.						.20			.80								.20	.60									.10					1.40
Mayfield M.						.05	.04		.41	.05								.91									.37	.10	.38			2.31
Murray T.					T.		1.50		.42							T	.68	.78									.21	.42	.04			4.05
Owensboro [3] O.							T.				T.	.07	T.	T.				1.46	.10									.17		.07	.18	2.02
Owensboro, Dam 46 [3] O.										.01	.03	.01		T.				1.47	.10									.12	.92	.04	.10	2.80
Paducah [3] O.	.02					T.	.89	.48		.15	T.	.14			.08			.07	.35								.01	.01	.02	.19		2.36
Princeton G.	.89				T.	1.66			T.	.01	.03		T.					.43									.09	.10	.66			3.17
Ramsey, Lock No. 2 [3] G.	.12				T.	.01	.03			.41									.47									.19	.25	.28	.53	2.63
Russellville [3] G.	.49						1.18			.16		.01							.39										.69		.10	3.02
Uniontown, Dam 49 [3] O.						T.	T.					.03	.01	.07					.40									.32	.02			0.85
Central Division																																
Addison, Dam 45. [3] O.	.47					T.	.10			.16				.10				.10	.60									.50	.50			2.53
Anchorage O.						2.10						T						.10									.95	.55	.21	.03	.30	4.24
Bowling Green [3] G.		.02					.10			T.		.12		.37			.07	1.00	.68								.20		.75			3.81
Bowling Green No. 2 [3] G.	.88	.15					.10			.06		T.	T.	.61			.04	.97	.95								.10		.64	T.		4.50
Brownsville, Lock No. 6 [2] C.							.28			.08		.37																.05	.50			1.28
Burnside [2] C.	.08						.05						T.	.45	.05				.43								.15	.04		.70	2.65	1.05	5.68
Carrollton Lock No. 1 [3] K.							.70								.43				.23									.50	1.42	.06		3.34
Clermont S.						.75												.28								.02	.25	.02	.37		.25	1.94
Cold Spring, Dam 36 [3] O.					.14	T.	.31								.04				.27							T.	T	1.38	.84	.40	05	3.43
Danville [3] K.	.10					.03	.25			.03				.01	T.				.15									.20	2.18	.45			3.35
Dix Dam, Burgin K.					1.18	1.17							.03					.29									.96	1.37	.45	.02		4.57
Eadsville [3] C.	.11						.22							.35					.58										1.60	.91	.37	4.17
Eubank C.	.10						1.10							.30													.40		1.04	1.35		4.29
Frankfort, Lock No. 4 [2] K.							.19						T.		.14				.39								T.	.06	1.22	1.35	.07		3.42
Gest, Lock No. 3 [2] K.	.19						.97								.20				.15									1.35	1.71	.09	T.	4.66
Glasgow G.	1.22						.20					.01					.18	.01	.58								.04	.23	.01	2.45	.08	.09	5.05
Grant, Dam 33 [3] O.						.70	.58			.23					.05				.32								T.	T.	.55	1.20	.03	.02	3.45
Greensburg [3] G.	.12					T.	.25			.49							.17	.14	.09										.58	.14	.06	2.03
High Bridge, Lock No. 7 [2] K.							.11	2.27						T.					.06								.18		.03	1.14	.32	.02	4.08
Irvington O.							.69			T.	T.		T.			.01	.23	1.18								T.		.60	.03	.26	.23	T.	3.23
LaGrange O.	.13					1.40	.13								.05				.19									1.52	.32	.24	.22	.02	4.22
Lancaster [3] K.					.05		.48						.02						.75									.02	1.92	1.22			4.46
Leitchfield [3] G.	.02										.05	.02				.05	T.	.42												.55	.06	T.	1.17
Lexington [3] K.						.72							.04					.27							.07		.16	.91	.74	.41	T.	3.82
Little Hickman, Lock No. 8 [2] K.	.02					.60	.58												.07									.05	2.15	.71	T.	5.08
Lockport, Lock No. 2 [2] K.	.14						.68								.04				.05								.23	1.26	.76	.06		4.12
LOUISVILLE [1] † O.						.60							T.	T.		T.		.18									.63	.02	.06	.08	.02	1.59
Do. Bowman Field O.						.55				T.			T.	.05				.15									.72	.02	.06	.16	.06	1.77
Mammoth Cave [3] G.	1.17						1.50			.06		.28		.60			.41	T.	.08							.01	T.	T.	.72	.02	T.	4.85
Monticello [3] C.							.08		.43										.45							.08		1.27	1.70		.14	4.14
Munfordville [3] G.	.33						.18			.95					.08			.03	.11							T.	T.		.61	.07	.18	2.54
St. John [3] S.	.01						.41			.02			T.		.02			1.20										.15	.22	.02	.02	2.07
Salvisa, Lock No 6 [2] † K.							.40								T.				.15									.55	2.26	.21		3.57
Shelbyville [3] S.	.03			.02			1.93								.03				.85							.22		1.77	.96	.12	.05	5.48
Smith's Grove G.							.27			T.		.82	T.	T.		.18	.01	.57							T.		.15	.81	.02			1.78
Stearns C.					.01	.05					T.			.41	.40			.06	.02						T.			.03	.82	.24		2.04
Taylorsville S.						.30	T.							T.					.80								.20	T.	.50	T.		2.10
Tyrone, Lock No. 5 [2] † K.					T.		.08							T.	.32				.78									.38	.85	.10		2.51
Williamstown [3] L.							1.30								.07				.06								.57	1.62	.15	.02	3.79
Woodbury, Lock No. 4 [2] G.	.70					.04	.14			.04		.03						.10	.90										.38		.10	2.43
Eastern Division																																
Annville [3] C.						.98							.46	.30				.27	.22						.77	.10		.97	.48			4.55
Ashland [3] O.							.45							.52	.39				.04					T.		T.	.04	.38	.26	.33	.75	3.16
Berea K.						.43							.23	.29					T.										4.52	.11			5.49
College Hill, Lock No. 11 [2] K.	.38				.02	.16	.74						.02	.22					.53							.02		.36	1.81	2.21			6.47
Cynthiana [3] L.							.28								T.				.11							T.		.33	.26	.28			1.26
Falmouth [3] L.							.31								T.				.01									.45	.41	.25			1.46
Farmers [3] L.							.37							.89	.06			.18								.03		.19	.95	1.59	.80		5.06
Flemingsburg [3] L.							.84							.51					.81									1.05	.98	1.22	.24		5.19
Ford, Lock No. 10 [2] † K.				T.	T.	.52							T.	.05														.02	3.02	2.16			5.77
Grayson [3] O.							.72							.75	.30													.70	.60	.63			8.70
Greenup, Dam 30 [2] O.							1.61							.10	18				.02							.15		.08	.13	.45	.65		3.67
Hazard [3] K.							.25							1.62	.23		.02			.33						.60			.70	.53	.05		4.33
Heidelberg, Lock No. 14 [2] K.							.40						T.	.86	.09				.81							.10			.86	.62	.02		3.76
Jackson [3] K.	.40					T.	.80						T.	1.97	.08				.75							T.		.45	.90	1.22			6.57
Jenkins [3] B.							.10							2.26	1.12	.09			.62											1.20			5.41
Louisa [2] B.	.14						.48							2.00					.24										.10	.56			2.52
Lynch [near] C.						.77	.11						1.80	1.70	.20														1.35	1.29			7.22
Maysville, Dam 33 [2] O.							.81							.14	.03				.04							T.	T.	.32	1.20	2.13	.17		4.34
Middlesboro C.						.18	.03						1.30	.05				.45	.09							.24			.48	.27			3.09
Mount Sterling L.																																
Oneida [2] † K.																																
Oneonta Dam 35 [2] O.							.19								T.				.05							T.	T.		.87	.80	.25			2.16
Paintsville [2] B.							.86							2.90	.10	T.			.77								.22	.03	.05	.31	.26			5.50
Pikeville K.						.22	.02						1.29	1.68	.09	.01		.42	.10						.05	.08	T.		.64	.57	.02			5.19
Pippapass K.																									.30				2.05					
Quicksand [2] K.	.84						.86																						1.27	1.20				7.53
Ravenna, Lock No. 12 [2] K.	.12					.10	.45						T.	.97	T.				T								.08	.16	.06	1.57	1.64	.08		5.23
Richmond [3] K.	.02				.05	.20	.16						.02	.10					.46								.02		.03	1.50	2.20			4.76
Valley View, Lock No. 6 [2] K.	.02												T.	.05					.12										.05	1.46	1.04			2.74
Vanceburg, Dam No. 32 [2] O.							.91							.20	.03				.45								.27	.02	.19	.59	.04	.85		3.55
Williamsburg [2] C.																																
Willow, Lock No. 13 [2] K.							.66							1.98					.78							.09	.21		.64	.74	.08		5.18
Winchester K.				.01		.51								.04	T.			.30										2.00	2.75	.11			5.72

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation measured with recording gage. [4] Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for August, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	94	95	92	91	93	84	88	87	91	86	89	91	85	95	96	97	98	91	80	77	81	84	87	88	92	93	94	94	85	87	88	89.4
	Minimum	69	60	71	70	64	71	65	62	61	70	68	69	73	66	66	68	68	67	60	63	52	47	60	57	60	65	70	67	68	67	61	64.0
Calhoun	Maximum	96	97	94	94	96	89	92	91	91	83	91	95	96	98	98	99	99	91	82	81	84	88	90	92	95	97	95	92	88	89	89	92.0
	Minimum	71	62	70	70	65	73	66	65	62	70	70	71	72	67	67	70	70	70	60	55	53	46	63	68	62	64	70	68	67	64	60	64.9
Earlington	Maximum	94	94	93	94	94	80	89	90	86	83	91	92	89	93	94	95	96	88	78	79	80	84	85	88	90	91	93	89	88	90	87	88.6
	Minimum	70	65	69	71	68	74	69	68	66	68	70	72	72	68	68	72	72	71	64	58	54	52	52	60	64	70	72	69	68	69	68	66.5
Greenville	Maximum	90	93	98	95	95	89	86	88	87	83	93	93	93	88	94	94	97	95	90	79	80	85	86	90	93	95	95	92	88	89	88	90.1
	Minimum	67	63	70	66	63	71	65	63	60	68	66	68	72	64	65	68	67	66	60	53	51	46	50	58	69	65	69	65	67	66	60	63.3
Henderson	Maximum	97	96	96	93	97	89	94	98	89	84	94	97	91	98	100	96	102	87	76	79	84	86	88	90	96	94	87	91	87	91	91	91.4
	Minimum	70	63	67	70	67	72	68	66	62	71	68	70	72	66	66	71	69	69	60	66	48	47	54	56	60	70	72	67	68	65	65	64.7
Hopkinsville	Maximum	91	96	96	95	95	85	90	91	84	82	93	93	85	95	95	98	98	89	80	78	83	85	87	89	92	93	93	92	89	88	89	90.0
	Minimum	68	66	72	68	65	74	69	67	65	67	69	74	72	65	68	69	68	68	62	54	54	50	51	58	62	64	70	66	67	68	60	65.2
Lovelaceville	Maximum	94	93	90	90	94	88	90	88	86	80	87	87	90	93	97	99	98	85	81	78	83	86	87	92	93	94	92	85	89	90	91	89.5
	Minimum	67	69	68	68	65	71	67	66	65	70	70	71	73	68	67	68	71	73	62	55	52	60	53	59	60	66	75	68	66	68	58	65.4
Mayfield	Maximum	93	94	93	92	95	90	89	93	87	82	89	92	89	96	93	98	98	87	79	79	81	86	87	92	92	93	93	84	84	89	90	89.8
	Minimum	70	70	74	71	69	75	69	67	68	71	71	72	74	70	70	72	73	72	62	56	56	53	57	61	64	69	72	68	69	69	60	67.5
Murray	Maximum	90	91	93	91	94	86	87	90	89	90	87	90	85	92	94	96	96	96	77	76	79	86	81	89	90	91	90	91	92	91	88	89.8
	Minimum	70	72	71	76	68	71	70	69	66	68	70	72	72	71	71	74	71	71	63	51	65	56	57	61	65	70	71	71	68	70	62	67.7
Owensboro	Maximum	93	92	93	92	94	86	90	92	91	84	92	95	84	94	94	96	97	85	76	77	79	82	84	84	89	91	89	88	84	86	84	88.3
	Minimum	70	65	66	68	66	70	66	65	64	70	70	73	64	67	68	67	68	69	65	65	49	54	60	71	66	71	66	67	66	60	66	66.1
Paducah (near)	Maximum	90	94	95	96	100	89	90	90	85	82	88	93	90	95	95	97	93	86	81	82	80	89	85	89	93	94	92	86	86	92	92	90.1
	Minimum	71	73	72	72	71	74	71	70	71	72	73	74	76	71	71	75	74	74	63	59	60	55	57	68	65	69	74	68	73	70	67	69.1
Princeton	Maximum	89	92	91	91	94	80	89	89	85	78	89	91	86	94	96	98	97	87	77	81	85	87	85	87	90	92	92	93	88	86	91	91	87	89.9
	Minimum	70	67	73	72	69	71	69	66	70	72	71	73	67	69	70	62	55	54	51	54	51	54	54	69	63	69	73	67	69	68	66	65.4
Russellville§§	Minimum	69	90	92	91	90	85	86	86	91	84	89	89	84	90	91	96	96	92	78	77	80	88	87	90	93	94	93	93	86	86	88	88	6
	Minimum	69	65	70	68	63	65	66	65	60	64	67	63	63	66	67	67	67	67	62	53	51	48	51	55	61	66	68	68	65	66	61	63.1
Central Division.																																	
Anchorage	Maximum	88	92	91	86	92	87	82	83	86	84	89	90	87	88	88	92	91	87	78	76	77	82	84	82	90	92	85	84	77	82	82	85.6
	Minimum	66	61	68	74	69	66	65	67	60	71	68	71	78	65	66	73	68	69	61	55	51	46	52	59	63	65	69	68	68	65	62	64.3
Bowling Green	Maximum	90	94	92	92	92	87	90	91	88	87	91	89	86	92	95	91	91	82	81	79	83	88	89	88	90	94	95	89	83	89	90	89.0
	Minimum	68	64	72	70	66	73	75	70	70	74	73	74	75	71	71	74	75	70	63	67	63	58	56	60	68	56	70	69	58	66	64	67.6
Clermont	Maximum	91	98	96	94	97	91	89	91	91	90	95	98	92	96	98	99	99	90	80	83	86	89	90	93	95	97	92	79	80	89	89	91.2
	Minimum	69	64	63	61	66	61	63	61	56	66	63	65	71	62	60	60	79	71	60	49	45	48	51	47	51	52	65	63	57	57	57	60.0
Danville	Maximum	88	91	90	83	91	83	85	85	91	87	91	91	85	89	92	94	97	93	80	75	81	85	87	85	92	95	95	85	85	86	84	87.4
	Minimum	65	57	70	68	63	69	64	65	71	66	66	68	73	69	63	64	65	70	63	62	49	48	49	57	57	70	69	67	67	66	62	63.6
Dix Dam	Maximum	91	95	94	86	95	90	87	88	92	91	90	90	87	89	93	95	97	93	93	80	82	86	87	87	92	95	93	87	76	85	86	89.4
	Minimum	69	59	72	72	65	71	69	67	63	67	70	71	74	70	65	67	69	72	66	55	63	51	54	59	61	72	72	69	68	69	64	65.6
Eubank	Maximum	91	95	92	89	91	86	88	90	90	93	95	92	91	89	94	95	96	92	84	80	81	86	86	90	94	96	94	90	81	84	86	89.7
	Minimum	64	59	64	59	61	66	66	59	51	64	65	69	67	63	66	65	67	68	66	51	50	48	50	51	64	67	69	64	65	67	60	61.4
Frankfort	Maximum	91	97	97	89	96	87	89	90	95	90	92	92	88	94	93	97	100	94	83	80	83	89	89	87	94	96	87	86	81	89	88	90.4
	Minimum	67	65	70	71	65	69	67	65	58	70	67	72	75	70	64	65	67	70	63	55	52	48	51	57	62	70	67	65	67	67	62	64.0
Glasgow	Maximum	93	93	93	87	87	87	89	88	91	88	90	89	87	91	93	94	95	94	79	78	80	85	86	87	90	90	92	91	85	81	86	88.4
	Minimum	68	64	73	68	64	72	67	66	61	69	68	70	74	68	68	68	68	68	64	63	51	49	49	54	60	69	72	70	68	64	60	64.3
Greensburg	Maximum	94	96	92	88	94	89	89	92	88	95	88	93	91	90	94	97	98	100	93	83	78	84	89	92	86	94	98	95	96	87	83	90	60.7
	Minimum	65	56	72	65	60	71	62	54	58	66	65	69	71	67	62	69	66	67	61	48	47	45	45	51	50	62	67	66	66	66	59	61.2
Irvington	Maximum	91	92	86	82	85	83	78	78	80	80	79	83	81	90	86	90	81	83	78	78	76	80	82	85	80	91	93	91	81	88	85	83.7
	Minimum	69	68	69	72	68	68	64	59	62	69	68	70	74	67	66	68	68	68	61	54	62	47	52	57	60	66	70	68	67	65	61	64.1
Leitchfield	Maximum	92	94	93	92	94	80	85	86	89	88	88	89	85	91	91	94	95	87	81	78	80	84	86	87	92	93	92	79	86	87	87.7
	Minimum	68	61	73	70	66	70	64	61	65	69	69	69	73	67	67	69	70	69	62	54	52	52	57	58	62	65	70	68	67	65	63	64.9
Lexington	Maximum	89	94	95	89	96	82	87	90	94	90	93	91	83	89	92	94	97	93	80	79	81	88	89	85	92	96	92	87	77	86	87	88.9
	Minimum	67	60	70	69	68	70	64	66	66	70	67	67	71	69	66	67	69	67	61	55	52	50	54	59	62	71	69	68	67	65	62	64.8
Louisville	Maximum	91	94	92	90	93	89	88	87	92	88	93	94	86	93	94	95	95	88	78	76	78	81	83	88	91	92	89	88	79	86	85	88.2
	Minimum	73	66	74	77	76	71	66	67	68	74	73	77	76	72	72	76	74	68	64	69	65	55	61	60	68	73	72	70	70	69	64	68.9
Do. Bowman Field	Maximum	93	95	93	90	95	89	84	88	91	89	94	96	88	94	95	95	96	90	78	77	79	85	85	88	92	94	88	89	79	86	86	89.0
	Minimum	69	63	72	74	73	68	67	60	64	73	71	74	76	70	68	70	71	67	63	57	52	48	56	60	65	69	70	69	69	65	61	66.3
Mammoth Cave	Maximum	90	92	90	89	90	81	87	85	89	90	91	88	83	89	91	93	93	87	79	78	79	84	86	87	91	92	93	91	79	87	83	87.3
	Minimum	65	58	70	68	61	73	63	69	58	66	66	65	72	67	64	65	67	67	62	52	48	46	48	53	59	66	72	69	67	62	58	62.5
St. John	Maximum	88	89	87	87	87	87	85	84	87	87	90	90	88	89	90	91	93	72	73	73	73	78	78	83	83	87	90	90	0	82	78	76	84.9
	Minimum	66	62	70	70	67	69	68	68	62	64	68	69	72	68	66	69	66	68	62	56	53	48	51	54	60	66	76	66	66	66	60	64.4
Shelbyville	Maximum	90	94	94	88	95	88	85	85	89	85	90	94	86	90	91	93	97	92	79	76	79	86	86	84	92	92	86	87	76	86	86	87.8
	Minimum	65	57	69	69	66	65	64	56	60	69	66	69	71	65	63	65	66	68	60	55	50	46	52	56	61	65	67	65	65	62	58	62.4
Smith's Grove	Maximum	90	94	90	90	92	80	84	86	90	89	91	86	82	90	93	96	93	87	79	78	81	87	87	89	93	92	94	91	81	85	87	87.9
	Minimum	67	63	73	69	66	68	65	64	64	69	69	68	68	66	65	66	68	67	68	55	52	48	50	65	60	65	69	66	64	63	60	63.6
Stearns	Maximum	85	93	88	90	95	89	84	85	85	88	85	88	85	85	80	85	90	90	78	76	76	83	86	87	87	90	88	89	79	86	86	85.2
	Minimum	66	61	66	62	64	65	68	60	61	66	68	68	68	68	66	66	66	66	62	56	58	53	57	58	58	63	65	67	68	67	63	63.8
Taylorsville	Maximum	90	92	91	90	91	84	85	87	90	92	91	94	87	97	91	94	96	90	78	77	78	83	84	85	90	95	89	92	77	85	85	88.0
	Minimum	67	56	68	73	62	68	60	58	69	62	66	69	75	68	64	65	67	69	63	54	50	47	51	50	60	66	61	66	65	65	70	62.9
Williamstown	Maximum	88	89	92	93	95	95	82	86	90	87	93	93	88	88	89	91	94	94	78	75	79	83	82	79	92	93	89	84	84	83	84	87.6
	Minimum	64	69	67	72	68	71	64	62	63	69	69	70	72	69	67	67	69	70	61	55	51	53	58	66	64	71	72	66	66	67	69	64.9
Eastern Division.																																	
Annville	Maximum	88	..	90	89	89	86	85	88	90	88	90	88	80	82	87	89	91	90	79	78	79	83	84	86	87	90	91	89	85	86	84	92.5
	Minimum	65	55	..	52	59	59	68	55	59	62	64	66	71	66	59	61	63	65	63	62	51	50	48	60	52	62	63	64	65	64	62	64.7
Ashland	Maximum	85	89	90	92	95	92	85	90	92	90	92	91	85	80	85	88	90	94	81	79	80	86	87	80	90	94	92	89	85	87	85	87.7
	Minimum	66	67	63	65	64	69	69	60	64	63	67	72	69	69	68	68	70	67	55	51	54	56	59	60	70	70	69	67	67	67	64	64.7
Berea	Maximum	88	92	90	92	92	89	86	86	90	94	93	90	84	85	89	90	94	93	86	85	85	84	84	88	86	91	90	93	90	96	85	88.9
	Minimum	..	..	..	..	..	..	..	..	61	75	76	75	70	66	62	64	66	65	64	60	50	52	55	56	61	60	55	54	53	67	63	62.1
Farmers	Maximum	85	87	87	88	90	90	87	85	85	84	88	85	85	83	85	86	90	76	78	74	81	84	79	77	87	91	77	76	76	75	85	83.4
	Minimum	65	64	68	67	62	66	68	54	64	61	67	69	70	63	64	64	66	67	66	52	50	50	49	54	57	68	65	65	66	68	63	62.2
Heidelberg	Maximum	88	89	88	91	91	83	87	87	91	88	90	90	79	83	87	90	91	92	80	77	80	81	87	84	90	92	93	89	77	85	85	86.6
	Minimum	69	57	67	65	63	70	70	68	68	68	65	69	68	63	65	67	68	68	62	54	52	54	52	54	61	65	70	71	71	68	69	63.4
Lynch [near]	Maximum	75	75	71	75	77	77	74	79	77	71	76	73	66	66	64	72	76	72	69	65	68	68	70	73	76	75	78	80	72	74	69	72.6
	Minimum	52	69	54	54	58	60	60	58	59	55	63	61	60	57	57	60	60	52	53	48	49	52	63	60	56	60	61	62	59	58	59	57.1
Maysville	Maximum	87	88	88	90	95	92	85	86	93	88	90	90	87	86	89	91	91	96	85	77	80	86	85	79	93	92	88	81	82	84	86	87.4
	Minimum	66	57	66	72	65	69	66	59	62	65	69	69	65	66	69	70	67	54	48	51	54	62	64	78	72	68	68	69	68	67	64	64.7
Middlesboro	Maximum	92	92	87	87	88	88	89	91	90	85	85	78	77	83	89	..	91	93	80	81	82	84	85	89	87	86	87	86	87	92	92	88.4
	Minimum	63	63	67	68	68	67	69	64	63	63	65	72	70	69	64	66	..	68	66	55	54	62	57	57	61	65	64	67	67	67	65	63.9
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	90	90	89	91	97	91	88	92	92	88	91	90	79	73	83	87	90	91	82	80	80	85	87	85	90	92	94	91	86	89	88	87.8
	Minimum	62	61	60	58	64	68	64	63	65	69	63	64	67	67	65	68	68	70	58	56	56	57	67	68	62	65	66	67	66	67	61	63.0
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	89	94	90	89	95	87	87	89	93	92	95	93	83	81	87	89	94	92	85	79	83	86	86	88	91	92	92	95	79	89	87	88.6
	Minimum	60	56	51	59	60	68	63	57	61	69	62	62	67	64	61	63	65	66	59	56	51	54	53	55	56	62	64	65	66	67	64	60.5
Richmond	Maximum	88	90	88	85	91	90	86	87	90	90	90	88	80	80	90	96	92	90	80	75	80	85	85	84	91	97	92	92	80	74	82	85	85.9
	Minimum	68	63	70	70	68	73	70	62	65	70	72	70	72	66	66	73	72	73	66	62	60	60	62	63	63	71	73	72	68	68	65	67.6
Williamsburg	Maximum	96	89	92	89	87	86	85	89	96	88	89	96	96	97	97	90	92	93	94	80	97	93	96	91	96	92	94	90	76	84	86	90.5
	Minimum	62	61	66	70	76	72	65	68	70	65	65	67	74	68	63	65	69	69	68	60	54	68	59	62	62	68	68	67	69	70	66	66.0
Winchester	Maximum	86	91	88	85	91	82	88	86	89	88	90	91	82	88	92	93	94	93	80	77	81	84	86	84	92	94	93	91	76	84	84	86.7
	Minimum	64	59	69	71	66	69	70	58	65	69	69	70	71	66	66	66	69	71	64	54	51	52	51	58	61	69	71	68	68	68	68	64.7

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 9 27 40 1100

Nat. Hist.

U. S. DEPARTMENT OF AGRICULTURE, WEATHER BUREAU.

CLIMATOLOGICAL DATA.

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., SEPTEMBER, 1940 No. 9

GENERAL SUMMARY.

Temperatures considerably below normal in the second decade and also in the last week delayed growth. To some extent the influence of these cool spells was offset by decidedly warm weather from the 18th to 24th, but the dryness that accompanied the high temperatures was unfavorable for late corn and grass. Some central and eastern localities received normal rainfall, but in most of the State precipitation ranged from one-fourth to one-half of the seasonal amount. Because of renewed growth in tobacco that resulted from the rains of the preceding month, the prevailing dry weather was more favorable than otherwise for this crop. It had a tendency to hasten maturity, which was very desirable on account of the lateness of much tobacco. Largely as the result of dry weather and abundant sunshine, most of the late crop had been cut by the end of the month. Cold winds in the periods of low temperature were unfavorable for starting the curing process in tobacco cut and housed at that time.

Heavy rains on the 10th in central districts improved pastures, but grass deteriorated slowly in other areas until the fairly general and comparatively heavy rains late in the month. Rather general improvement followed these rains, but subnormal temperatures prevented full seasonal benefits. These rains improved conditions for seeding, and brought up grain sown within ten days to two weeks of their occurrence.

Scattered frosts were reported on the 26th and 27th, but damage was slight for staple crops had mainly developed beyond the stage of danger. Dry weather and low temperature diminished the growth of late corn. Only a limited portion of this crop, located principally on the valley lands of the western counties, remained green at the end of the month. Late potatoes improved during the first decade, but suffered from inadequate moisture until the late rains. They were damaged by frost in some northern sections. Seeding to rye began near the middle of the month. The last alfalfa cuttings were short in most places. Late hay cured well and was saved with minimum damage from rain. The dry weather favored picking and ginning of cotton. Water supplies for livestock and domestic use became short in western districts.

TEMPERATURE.

The temperature averaged considerably below normal, with the greatest deficiency in the north-central part of the State. Cool weather prevailed in the periods 1st-4th, 10-16th, and 25-30th. The coolest days occurred in the three-day intervals 11-13th and 25-27th, when minimum temperatures ranged from 32° to 39° in most districts. Temperatures were above normal from the 5th to 9th and 18th to 23d. Relatively high maxima, varying between 85° and 100° were registered on most days in the warm periods. Extremes for the State were 100° at Lovelaceville on the 21st and 29° at Clermont on the 27th.

PRECIPITATION.

Precipitation averaged about two-thirds of the normal amount for the month. It exceeded the seasonal average in some eastern mountain counties, where it ranged from 3.5 to 4.0 inches. Other east-central districts received 2.0 to 3.0 inches. Less than 1.0 inch occurred in the Purchase and considerable other western areas. In the central, northern, and most southern counties amounts ranged from 1.0 to 2.0 inches. Light to heavy showers occurred in the period 9-10th and moderate to heavy rains from the 23d to 26th. A few northeastern stations reported 24-hour falls of 2.0 to 3.0 inches on the 25th. Days with thunderstorms were: 8, 9, 22.

MISCELLANEOUS.

Rivers:—The Ohio and its tributaries in the State were at pool stage during the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.07	30.35	26	29.65	9	5.8	28	n.	28	79	41	49	84
Cincinnati ..... Ohio	30.11	30.41	26	29.61	9	5.3	22	u	25	86	40	52	73
Evansville ..... Ind.	30.07	30.29	29	29.63	25	4.6	31	nw.	12	90	42	52	85
Louisville ..... Ky.	30.08	30.34	29	29.58	9	6.6	27	ne.	25	88	40	52	86

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature. †Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	72.1	101	36	1.23	..	..	..	..	..
1890	67.0	95	36	2.71	..	..	..	..	..
1891	69.5	97	42	1.89	..	..	..	..	..
1892	68.5	93	38	2.68	..	..	..	..	..
1893	69.6	99	35	3.24	..	..	..	..	..
1894	71.7	98	37	2.71	..	..	..	..	..
1895	73.4	101	27	1.10	0	..	19	8	3
1896	68.6	100	30	3.77	0	3	14	9	7
1897	72.8	105	31	0.21	0	7	26	4	0
1898	73.4	103	42	4.36	0	1	17	8	5
1899	68.7	105	27	1.66	0	9	18	8	4
1900	74.6	102	35	2.25	0	5	15	9	6
1901	68.1	98	33	3.57	0	6	18	7	5
1902	67.3	97	29	4.01	0	6	13	7	10
1903	69.1	100	32	0.91	0	10	21	6	3
1904	71.1	99	34	2.58	0	4	15	7	8
1905	70.2	95	36	2.61	0	8	16	6	8
1906	73.0	95	45	6.15	0	6	11	7	12
1907	69.1	102	35	3.00	0	13	17	5	8
1908	71.6	101	30	1.03	0	6	18	8	4
1909	67.7	97	32	2.51	0	3	16	7	7
1910	71.8	99	38	4.41	0	6	14	8	8
1911	74.3	99	46	3.71	0	9	13	8	9
1912	71.0	103	33	2.80	0	10	18	6	6
1913	69.6	106	29	2.49	0	7	11	7	12
1914	67.8	97	36	2.96	0	9	18	6	6
1915	70.7	99	32	3.32	0	6	17	8	5
1916	67.2	98	32	3.48	0	7	20	5	5
1917	67.7	98	34	2.56	0	6	18	7	5
1918	62.8	92	30	2.94	0	5	15	6	9
1919	71.5	102	40	1.69	0	8	20	6	4
1920	70.8	96	38	3.30	0	4	14	8	8
1921	75.5	99	45	5.37	0	9	10	11	9
1922	72.7	103	39	2.22	0	13	20	6	4
1923	66.8	94	30	2.87	0	5	15	7	8
1924	65.3	97	35	4.49	0	8	14	7	9
1925	77.2	110	45	2.83	0	10	15	7	8
1926	73.5	98	40	3.78	0	9	14	8	8
1927	72.2	103	30	2.87	0	6	16	9	5
1928	65.5	99	24	0.81	0	3	20	6	4
1929	69.5	97	35	4.69	0	11	13	8	9
1930	72.6	101	38	2.46	0	8	13	9	8
1931	75.1	103	36	2.74	0	5	20	6	4
1932	69.5	103	34	3.66	0	8	16	6	8
1933	74.3	98	40	5.03	0	9	17	6	7
1934	69.2	95	39	4.82	0	10	13	9	8
1935	68.3	99	31	2.75	0	5	21	4	5
1936	74.4	101	41	3.57	0	7	12	10	8
1937	67.8	98	29	1.84	0	5	16	7	7
1938	70.3	101	37	3.52	0	8	14	9	7
1939	74.5	105	39	1.26	0	3	21	5	4
1940	66.7	100	29	1.97	0	3	21	5	4
Period	70.5	110	27	2.91	0	7	16	7	7

†52-year averages.

Climatological Data for September, 1940.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy		
Western Division.																				
Beaver Dam	Ohio	441	28	66.8	— 4.1	99	21†	35	27	40	1.27	—1.41	0.85	0	2	22	4	4	se.	Eldred G. Yonng.
Calhoun	McLean	437	36	*69.1	— 2.8	99ª	20†	38ª	27	45ª	2.39	—0.69	1.87	0	3	25	0	5	.....	K. C. Bennett.
Earlington	Hopkins	420	46	68.0	— 3.6	97	21	36	27	37	1.08	—1.79	1.08	0	2	27	0	3	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	0.45	—4.23	0.44	0	2	..	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	421	....	.....	.....	.....	.....	.....	.....	.....	0.67	.....	0.49	0	2	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	25	67.3	— 3.8	98	21	35	12†	37	1.55	—1.02	1.00	0	3	27	0	3	n.	C. R. Lovell.
Hartford (near)	Ohio	640	....	.....	.....	.....	.....	.....	.....	.....	1.28	.....	0.66	0	3	24	3	3	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	68.7	.....	99	19†	37	27	44	0.95	—2.51	0.67	0	2	27	2	1	e.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	68.9	— 4.1	97	21	37	12	36	1.04	—2.12	0.91	0	3	24	5	1	n.	W. K. Morris.
Lovelaceville	Ballard	479	11	70.2	— 0.8	100	21	34	12	44	0.76	—3.45	0.66	0	2	26	2	2	s.	Blaine Malone.
Mayfield	Graves	364	31	71.1	— 1.1	98	9	40	27	35	1.05	—1.93	0.49	0	3	28	0	2	n.	Mrs. Joe Payne.
Murray	Calloway	412	14	70.4	— 1.8	95	21	40	27	36	0.94	—3.34	0.50	0	2	11	11	8	s.	Ralph B. Wear.
Owensboro	Daviess	420	43	66.8	— 3.6	93	20	39	12	30	1.16	—2.08	0.95	0	8	26	1	3	se.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	1.74	—1.78	1.40	0	3	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	72.2	— 0.8	98	9†	43	11†	30	0.99	—2.28	0.83	0	3	24	3	3	.....	Joe Lagore.*
Princeton	Caldwell	529	33	69.6	— 2.2	98	9†	38	12	39	0.73	—2.61	0.34	0	3	22	5	3	n.	S. J. Lowry.
Ramsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	2.28	—0.87	2.12	0	3	..	.	.....	.....	Lockmaster.
Russellville	Logan	590	27	66.6	— 5.8	96	21†	35	27	37	1.26	—1.81	1.20	0	2	24	1	5	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	1.14	—3.56	0.86	0	2	..	.	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	362	12	.....	.....	.....	.....	.....	.....	.....	2.20	—0.85	1.10	0	8	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	64.2	— 4.8	93	21	37	27	36	1.43	—1.29	0.68	0	3	23	3	4	ne.	C. E. Parret.
Bowling Green	Warren	500	44	69.1	— 3.3	95	9†	40	27	40	1.95	—1.40	1.80	0	3	24	4	2	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	1.82	—1.48	1.37	0	8	..	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	1.88	—1.74	1.35	0	3	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	1.17	—1.93	0.86	0	4	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	64.2	.....	90	20	29	27†	46	1.27	.....	0.67	0	3	24	4	2	sw.	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	0.95	—2.94	0.86	0	2	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	65.0	.....	93	21	36	12†	36	3.25	—0.27	1.58	0	4	23	3	4	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	66.8	— 5.1	96	21	40	26†	37	3.02	—0.32	1.50	0	3	23	3	4	sw.	Kentucky Utilities Co.
Eadsville	Wayne	672	....	.....	.....	.....	.....	.....	.....	.....	2.72	.....	2.04	0	3	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	67.1	— 1.9	95	21	34	12	36	2.56	—0.94	1.65	0	3	18	10	2	n.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	66.4	— 3.1	98	21	36	27	44	1.20	—1.56	0.77	0	3	19	9	2	w.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	0.98	—2.16	0.70	0	3	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	67.6	— 5.3	97	21	37	12	41	1.45	—1.80	1.15	0	4	24	6	0	e.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	1.09	—1.39	0.98	0	2	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	65.6	— 4.2	98	21	35	27	38	1.72	—1.57	0.92	0	4	11	7	12	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	3.09	+0.19	1.31	0	4	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	64.4	— 6.2	94	21	36	26	36	2.45	—0.46	1.51	0	3	25	3	2	ne.	L. O. Stiles.
LaGrange	Oldham	850	....	.....	.....	.....	.....	.....	.....	.....	1.18	.....	0.73	0	2	24	4	2	ne.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	3.87	+0.94	2.00	0	4	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	67.8	— 2.4	98	21	37	27	37	0.82	—2.65	0.58	0	2	22	5	3	ne.	D. Lem Hughes.
Lexington	Fayette	989	56	66.6	— 1.9	97	21	38	26	35	2.59	—0.48	1.76	0	4	24	3	3	.....	U. S. Weather Bureau.
Littlefickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	3.87	+0.67	1.90	0	4	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	1.58	—1.55	0.80	0	3	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	68.2	— 2.3	95	21	41	26	31	0.97	—1.81	0.79	0	3	20	8	2	ne.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	2	66.8	.....	95	21	39	26	33	1.33	.....	0.56	0	4	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	65.2	.....	98	21†	34	12†	41	1.97	.....	1.60	0	3	20	7	3	ne.	Ivan J. Ellsworth.
Monticello	Wayne	910	....	.....	.....	.....	.....	.....	.....	.....	1.95	.....	1.70	0	2	21	5	4	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	2.01	—0.67	1.05	0	2	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	44	65.5	— 3.9	91	9	38	12	33	2.16	—0.89	1.33	0	4	19	7	4	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	2.42	—0.64	1.55	0	2	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	826	47	64.2	— 5.4	95	20†	34	26†	39	1.79	—1.05	1.06	0	5	17	0	13	n.	Willis S. Ratta.
Smith's Grove	Warren	607	2	67.3	.....	98	20†	34	12	44	1.46	.....	1.06	0	3	..	.....	.....	.....	C. W. Cuernsey.
Stearns	McCreary	1400	4	66.0	.....	94	21	36	12	36	1.58	.....	1.38	0	2	5	19	6	ne.	Airway Station.
Taylorsville	Spencer	489	34	†69.2	+ 0.6	93f	20	34f	21	43f	1.37	—1.79	0.56	0	3	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	1.90	—1.89	1.02	0	2	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	65.9	— 3.3	93	20†	37	26	31	1.20	—1.43	0.83	0	3	25	2	3	w.	Wilhelmine B. Simpson.
Woodbury, Lock 4 ‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	1.00	—1.70	0.72	0	8	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	9	*63.6	.....	95ª	21	32ª	27	40ª	2.95	.....	1.80	0	3	18	8	4	ne.	W. A. Worthington.
Ashland	Boyd	534	23	65.6	— 4.9	96	21	37	27	34	2.07	—0.37	1.89	0	2	19	5	6	ne.	Lockmaster.
Berea	Madison	1070	37	64.8	— 6.1	90	21†	38	26†	34	3.65	+0.71	1.80	0	3	22	4	4	n.	Mother M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	3.08	+0.26	1.60	0	4	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	0.45	—2.93	0.32	0	2	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	0.99	—1.63	0.71	0	3	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	62.8	— 5.5	92	21†	33	27	42	2.11	—0.61	1.89	0	4	15	8	7	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	2.36	—0.99	2.20	0	2	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	2.28	—0.04	1.68	0	4	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	689	10	.....	.....	.....	.....	.....	.....	.....	2.11	—0.10	1.81	0	3	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	2.98	+0.50	2.80	0	2	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	3.47	+0.27	2.40	0	5	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	65.5	.....	94	21	35	27	41	2.44	—0.70	1.22	0	5	20	5	5	ne.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	3.44	.....	2.30	0	3	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	2.06	—0.88	0.87	0	4	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	2.54	—0.05	2.18	0	3	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	59.2	.....	77	4†	30	26	30	2.00	.....	1.10	0	2	27	0	3	n.	James S. Allen.
Maysville, Dam 33	Mason	524	42	65.5	— 4.2	94	21	35	26	39	0.95	—1.94	0.78	0	4	18	9	2	e.	Lockmaster.
Middlesboro	Bell	1205	41	*66.5	— 3.1	90ª	19†	32ª	27	50ª	.....	.....	.....	.....	.....	.....	.....	.....	.....	Matthew Woodson
Mount Sterling	Montgomery	980	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R McKee.
Oneida	Clay	800	8	.....	.....	.....	.....	.....	.....	.....	2.84	.....	1.79	0	3	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	0.81	—2.48	0.81	0	1	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	4.14	.....	3.02	0	5	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	630	4	66.6	.....	92	21	39	26†	36	2.42	—0.54	1.47	0	4	12	11	7	e.	U. S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	34	27†	.....	4.67	.....	2.40	0	3	21	4	5	e.	Caney Run Com. Cen.
Quicksand	Breathitt	732	14	*67.9	— 3.1	96ª	21	36ª	27	45ª	3.72	—0.13	2.60	0	2	..	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	2.79	+0.77	1.38	0	4	..	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	67.4	— 3.7	92	20†	40	26†	28	3.63	+0.67	2.12	0	4	25	2	3	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	3.26	—0.15	1.65	0	3	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	1.93	—0.71	1.75	0	4	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	67.8	— 3.0	95	22	36	27	39	1.08	—2.44	0.82	0	3	25	4	1	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	2.94	—0.82	1.16	0	3	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	65.8	.....	93	21	36	26	30	2.98	.....	1.18	0	3	18	10	2	ne.	Airway Station.
State averages and extremes		.....	.....	66.7	— 3.8	100	21	29	27†	50	1.97	—0.94	3.02	0	3	21	5	4	ne.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, ª, ᵇ, ᵉ, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for September, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.										.18														.85	.42							1.27
Calhoun G.										.05														.84	1.87							2.89
Carlington [2] O.																									1.03							1.08
Fords Ferry Dam 50 [3] O.									T.	.01														T.	.44							0.45
Gilbertsville [2] T.										.18															49							0.67
Greenville G.										.30														.25	1.00							1.55
Hartford G.										.18														.45	.65							1.28
Henderson O.								T.																.67	.28							0.95
Hopkinsville [2] C.	T.								.08															.65	.91							1.04
Lovelaceville M.									.10															.66								0.76
Mayfield M.										.26					T.									.49	.30							1.05
Murray T.									.50															.44								0.94
Owensboro [2] O.									.02		.19														.95							1.16
Owensboro, Dam 46 [3] O.									.03	.31															1.40							1.74
Paducah [2] O.									T.	.15								T.						.01	.83							0.99
Princeton G.										.15														.24	.34							0.73
Ramsey, Lock No. 2 [3] G.									.01	.15															2.12							2.28
Russellville [2] G.																								.06	1.20							1.26
Uniontown, Dam 49 [3] O.	T.									.28															.86							1.14
Central Division																																
Addison, Dam 45. [3] O.	T.								.08	1.07														T.	1.10							2.20
Anchorage O.										.64														.11	.68							1.43
Bowling Green [2] G.										.13														.02	1.80							1.95
Bowling Green No. 2 [3] G.										.21														.03	1.90							2.14
Brownsville, Lock No. 6 [3] G.										.14														.01	1.87							1.82
Burnside [3] C.										.34															1.35	.19						1.88
Carrollton Lock No. 1 [3] K.	.02									.23														.06	.86							1.17
Clermont S.										.35														.25	.67							1.27
Cold Spring, Dam 36 [3] O.	T									.09														T.	.86							0.95
Danville [2] K.										1.89														.26	1.58	.02						3.25
Dix Dam, Burgin K.									1.10															.42	1.60							3.02
Eadsville [3] C.										.65															2.04	.03						2.72
Eubank C.										.80															.11	1.65						2.56
Frankfort, Lock No. 4 [3] K.										.42															.01	.77						1.20
Gest, Lock No. 3 [3] K.	.03									.25														T.	.70							0.98
Glasgow G.										.18														.11	1.15							1.45
Grant, Dam 3 [3] O.										.11	T.													T.	.98							1.09
Greensburg [2] G.										.45														.28	.92	.07						1.72
High Bridge, Lock No. 7 [3] K.										1.30														.40	1.31	.08						3.09
Irvington O.										1.51														.12	.82							2.45
LaGrange O.										.46														T.	.73							1.18
Lancaster [2] K.									1.70															12	2.00	.05						3.87
Leitchfield [2] G.																									.24	.58						0.82
Lexington ‡ K.										.79	.01													.95	.84							2.59
Little Hickman, Lock No. 8 [2] [3] K.										1.35														.20	.42	1.90						3.87
Lockport, Lock No. 2 [3] K.	.41									.32														T.	.80							1.53
LOUISVILLE [1] O.										.18															.52	.27						0.97
Do. Bowman Field O.										.39														.03	.56	.35						1.33
Mammoth Cave [2] G.										.85															.02	1.60						1.97
Monticello [2] C.										.25															1.70							1.95
Munfordville [2] G.										.96															T.	1.05	T.					2.01
St. John [2] O.	.03									1.33															.06	.74						2.16
Salvisa, Lock No 6 [3] [4] K.										1.06															.01	1.85						2.42
Shelbyville [2] S.										.68													.02	.02	.01	1.06						1.79
Smith's Grove G.									.13	T.														T.	1.06	.27						1.46
Stearns C.										.15																1.88						1.53
Taylorsville S.										.60															.21	.56						1.37
Tyrone, Lock No. 5 [3] [4] K.										.88															T.	1.02						1.90
Williamstown [2] L.	.20									.17																.83						1.20
Woodbury, Lock No. 4 [3] G.										.18															.10	.72						1.00
Eastern Division																																
Annville [2] C.										.95															.20	1.80						2.95
Ashland [2] O.																									1.89	.18						2.07
Berea K.										1.76															.06	1.80						3.65
College Hill, Lock No. 11 [3] K.										1.00															.58	1.50	.05					3.08
Cynthiana [2] L.										.18																.82						0.45
Falmouth [3] L.	.04									.24															T.	.71						0.99
Farmers [2] L.										.07															.12	1.89	.03					2.11
Flemingsburg [2] L.										.16																2.20						2.36
Ford, Lock No. 10 [3] [4] K.										.85															.41	1.68	.04					2.98
Grayson [2] O.										.20															.10	1.81						2.11
Greenup, Dam 30 [3] O.																										2.80	.18					2.98
Hazard [2] K.										.71	.05														.05	2.40	.26					3.47
Heidelberg, Lock No. 14 [3] K.										.88	.04														.14	1.22	.16					2.44
Jackson [2] K.										1.08																2.30	.10					3.48
Jenkins [2] B.										.87	.03														T.	.72	.44					2.06
Louisa [2] B.										.18																2.18	.18					2.54
Lynch [near] C.										.90																1.10						2.00
Maysville, Dam 33 [3] O.	.03									.12															T.	.78	.02					0.95
Middlesboro C.										.29																						
Mount Sterling L.																																
Oneida [5] K.					.18					.87																1.79						2.84
Oneonta Dam 35 [3] O.										T.														T.	.81							0.81
Palmtsville [2] B.	.02									.40	T.														.02	3.02	.08					4.14
Pikeville B.										.54	.18														.24	1.47						2.42
Pippapass K.											.77													1.50	2.40							4.67
Quicksand [2] K.										1.12																2.60						3.72
Ravenna, Lock No. 12 [3] K.										1.25	T														.06	1.38	.10					2.79
Richmond [2] K.										1.15															.30	2.12	.05					3.62
Valley View, Lock No. 9 [3] K.										1.20															.41	1.65	T.					3.26
Vanceburg, Dam No. 32 [3] O.	.02									.08																1.75	.08					1.93
Williamsburg [2] K.					.17																						.82	.09				1.08
Willow, Lock No. 13 [3] K.										1.02															.06	1.16						2.24
Winchester K.										.91															.89	1.18						2.98

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡ Precipitation measured with recording gage. * Included in the next following measurement
T. Trace, or precipitation less than 0.01 inch. † Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for September, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	84	85	86	87	91	89	90	89	86	89	68	78	79	85	83	84	84	92	96	96	99	98	91	83	68	64	70	77	78	77	..	84.0
	Minimum	68	61	52	62	65	66	54	54	58	58	37	36	37	45	60	45	49	60	57	50	66	57	56	67	50	38	35	37	38	44	..	49.7
Calhoun	Maximum	85	87	88	90	94	91	92	91	98	93	77	76	80	87	84	85	88	..	98	99	98	91	86	71	67	73	79	80	79	..	*86.2
	Minimum	61	54	55	55	58	60	57	66	62	60	40	40	40	47	49	49	52	.	53	69	69	60	60	69	60	40	38	39	42	45	..	*52.0
Earlington	Maximum	82	83	86	86	90	89	89	90	94	85	67	71	77	84	81	81	85	92	92	95	97	94	87	80	67	65	70	77	78	75	..	83.0
	Minimum	60	64	66	64	56	57	66	56	64	64	40	39	42	54	52	48	54	54	58	60	61	61	68	70	52	42	36	40	42	44	..	53.1
Greenville	Maximum	84	84	85	87	92	89	91	90	96	89	69	72	79	85	83	82	87	94	95	96	98	97	91	82	70	65	70	76	77	76	..	84.4
	Minimum	54	58	51	51	54	64	54	63	60	59	36	36	38	45	50	47	48	61	58	56	60	58	66	67	50	39	35	36	39	45	..	50.2
Henderson	Maximum	84	87	87	89	91	91	92	94	98	89	78	75	81	85	83	84	88	95	95	99	99	98	90	78	67	67	73	79	82	78	..	85.8
	Minimum	66	62	55	54	66	59	56	66	61	58	40	38	41	54	52	47	51	52	55	58	59	61	67	66	48	38	37	38	41	44	..	61.6
Hopkinsville	Maximum	87	84	87	88	96	91	92	91	96	80	70	74	80	84	87	85	88	94	95	95	97	96	92	84	67	64	71	76	78	76	..	84.7
	Minimum	61	53	57	57	59	64	59	54	61	62	38	37	37	44	52	50	56	66	59	58	59	62	66	68	61	42	38	43	42	49	..	53.1
Lovelaceville	Maximum	89	88	90	90	94	94	93	95	97	88	73	78	81	86	86	88	91	96	97	98	100	96	92	84	69	67	72	79	81	80	..	87.1
	Minimum	68	63	54	57	58	63	61	66	64	68	36	34	37	47	53	67	56	54	57	58	57	66	70	67	62	42	37	37	40	47	..	53.2
Mayfield	Maximum	86	85	87	87	93	92	91	92	98	90	69	74	81	86	82	83	88	96	95	95	97	95	96	85	69	66	71	76	79	78	..	85.4
	Minimum	64	59	58	60	60	65	64	60	67	61	41	42	45	51	58	58	57	60	63	64	62	70	72	67	52	44	40	42	46	53	..	56.8
Murray	Maximum	85	83	83	85	90	90	89	89	96	80	67	72	79	83	78	80	87	92	93	94	95	94	93	85	68	68	70	75	77	76	..	83.0
	Minimum	63	57	61	59	62	66	68	61	66	60	44	44	53	57	57	56	56	64	64	66	68	67	67	49	46	40	43	43	43	50	..	57.7
Owensboro	Maximum	78	81	82	84	88	87	87	85	93	68	66	69	76	84	79	78	82	88	91	93	93	92	86	81	67	62	67	72	75	75	..	80.3
	Minimum	60	60	56	55	61	62	61	66	61	60	40	39	40	49	54	52	54	54	58	58	59	59	67	67	49	46	40	45	42	42	..	53.4
Paducah (near)	Maximum	88	85	87	88	92	95	92	93	98	90	73	77	81	86	89	89	88	93	97	97	98	95	90	88	74	66	72	80	79	79	..	86.3
	Minimum	68	59	61	63	65	68	65	61	68	64	43	43	45	54	58	60	61	60	62	62	64	64	73	68	53	46	46	44	43	54	..	58.2
Princeton	Maximum	88	87	91	87	94	91	90	92	98	89	72	71	80	86	86	87	89	95	97	97	98	97	88	77	62	64	71	77	79	77	..	85.2
	Minimum	61	54	57	55	58	63	60	57	65	62	39	38	42	52	53	54	52	56	61	61	61	53	72	67	52	40	40	38	42	49	..	54.1
Russellville§§	Maximum	85	82	85	86	91	88	88	88	95	78	67	70	77	84	81	82	85	92	91	94	96	96	90	80	63	63	70	75	77	76	..	82.4
	Minimum	60	62	66	53	54	59	54	64	59	62	39	36	39	43	51	48	49	60	62	66	59	58	61	67	48	41	35	37	39	40	..	50.7
Central Division.																																	
Anchorage	Maximum	78	74	78	79	83	83	84	87	84	67	63	65	72	82	72	74	77	82	89	91	93	89	88	81	68	61	67	73	76	75	..	77.6
	Minimum	56	63	53	56	69	69	63	67	66	57	43	39	40	47	47	46	49	60	55	57	57	58	66	68	46	38	37	38	39	47	..	50.9
Bowling Green	Maximum	90	85	85	88	93	89	86	90	95	89	69	72	78	82	84	85	85	91	93	95	95	95	90	88	73	64	69	73	76	76	..	84.0
	Minimum	63	56	57	58	61	60	60	58	50	64	44	42	48	52	44	52	54	55	62	62	63	65	69	67	48	42	40	42	46	48	..	54.2
Clermont	Maximum	83	84	86	90	94	91	91	93	94	84	68	78	77	80	90	85	86	92	95	99	94	95	90	85	71	67	75	78	79	81	..	85.8
	Minimum	50	48	46	60	46	46	46	46	48	42	31	38	32	40	50	42	47	57	50	50	52	50	60	60	31	31	29	29	33	32	..	43.2
Danville	Maximum	81	80	80	82	85	83	83	87	85	76	68	68	74	80	77	76	78	80	90	90	93	89	85	84	73	60	66	72	75	72	..	78.9
	Minimum	68	56	53	54	57	57	55	56	58	60	41	36	39	48	52	45	46	50	57	57	59	60	62	61	47	39	38	36	40	45	..	51.1
Dix Dam	Maximum	82	81	81	84	86	86	85	88	87	85	68	67	74	81	79	79	79	87	92	93	96	92	87	84	80	62	64	74	76	74	..	81.1
	Minimum	60	66	53	54	56	58	56	59	60	62	44	43	41	49	52	47	47	61	57	57	60	60	68	67	49	40	41	40	45	51	..	52.6
Eubank	Maximum	81	82	84	89	90	88	87	88	88	84	75	58	71	80	81	87	89	92	91	94	95	93	88	82	84	76	76	80	82	74	..	83.6
	Minimum	62	54	53	51	55	58	63	58	52	54	40	34	36	45	49	51	58	56	54	56	57	56	59	63	65	37	39	35	36	47	..	50.6
Frankfort	Maximum	82	83	*3	86	88	86	86	89	89	82	65	68	77	84	82	80	83	90	95	95	98	92	89	84	71	64	70	77	79	75	..	82.4
	Minimum	57	55	54	54	55	57	56	55	57	61	45	40	42	44	49	47	48	48	51	54	56	57	61	69	47	38	36	39	39	43	..	50.4
Glasgow	Maximum	87	83	85	87	91	89	85	86	92	92	67	70	75	83	83	82	83	91	91	94	97	94	94	88	82	64	71	76	77	78	..	83.9
	Minimum	61	53	53	53	58	57	56	54	59	64	38	37	36	45	51	43	47	60	61	56	57	58	67	68	49	43	39	37	38	48	..	51.2
Greensburg	Maximum	83	88	85	83	91	84	83	87	93	87	65	70	72	78	71	76	76	86	80	88	98	88	88	83	78	68	66	69	71	69	..	79.8
	Minimum	60	64	63	53	57	57	64	61	61	64	42	38	38	43	51	44	46	50	57	58	58	59	67	68	49	42	35	38	39	46	..	51.4
Irvington	Maximum	79	71	80	90	90	87	92	87	91	83	68	65	68	83	76	70	71	88	86	91	94	91	85	79	69	62	67	69	73	61	..	77 9
	Minimum	56	52	52	54	67	58	58	55	60	54	40	37	40	49	52	47	49	52	56	57	59	58	65	66	46	36	38	40	41	45	..	51.0
Leitchfield	Maximum	82	83	85	88	89	88	89	88	93	87	67	68	76	83	83	79	82	90	93	95	98	97	89	84	70	62	69	75	77	76	..	82.7
	Minimum	53	55	55	54	58	59	58	59	60	59	42	42	41	49	54	48	50	54	60	50	61	62	67	65	47	38	37	41	43	46	..	52.8
Lexington	Maximum	81	80	82	86	86	87	87	88	86	72	64	67	77	81	80	78	82	89	93	96	97	88	88	85	65	61	69	74	76	74	..	80.6
	Minimum	57	56	54	56	60	60	67	60	59	58	44	41	41	50	62	49	52	58	69	60	62	61	62	66	45	38	38	40	48	49	..	52.5
Louisville	Maximum	79	78	80	85	86	86	86	88	90	70	63	67	74	82	78	77	80	85	92	94	95	92	86	83	61	62	68	76	75	78	..	79.7
	Minimum	61	62	60	62	63	64	65	65	64	53	50	45	47	64	56	63	56	58	61	65	66	69	67	58	48	41	43	47	50	62	..	56.8
Do. Bowman Field	Maximum	80	78	82	85	87	86	86	89	90	70	63	66	75	88	78	77	80	85	92	95	95	91	87	84	62	62	69	76	76	74	..	80.1
	Minimum	56	57	53	58	60	61	69	68	60	51	47	40	41	52	68	50	49	52	56	60	62	62	66	60	46	39	39	40	41	48	..	52.5
Mammoth Cave	Maximum	88	83	83	86	90	86	87	88	94	78	66	69	77	88	81	80	82	89	92	94	95	95	89	82	63	69	76	76	76	75	..	81.6
	Minimum	56	49	49	50	54	55	53	52	57	62	37	34	36	42	49	42	46	49	59	54	56	65	57	67	47	38	34	36	37	45	..	48.9
St. John	Maximum	72	76	80	83	86	86	86	86	91	89	68	64	72	79	78	75	78	83	88	90	90	90	86	87	76	58	66	68	73	72	..	79.2
	Minimum	56	52	49	57	59	61	57	54	67	61	40	38	39	45	53	49	51	54	56	66	57	59	66	67	45	39	39	40	42	47	..	51.8
Shelbyville	Maximum	80	77	79	83	83	82	88	87	86	80	63	65	75	82	77	77	81	86	91	95	95	91	88	89	68	69	75	78	76	..	78.0
	Minimum	55	64	58	57	57	59	58	57	57	57	41	38	40	47	48	47	49	51	56	64	56	58	59	65	45	34	34	37	40	46	..	50.3
Smith's Grove	Maximum	85	86	86	87	91	88	88	88	96	74	65	71	78	84	83	88	83	84	92	94	98	98	96	91	85	66	68	70	76	78	..	83.3
	Minimum	58	51	58	64	58	57	67	52	58	46	38	34	41	46	54	49	52	55	60	59	59	60	69	64	46	44	40	43	48	50	..	51.3
Stearns	Maximum	82	81	80	86	86	83	82	86	90	72	68	70	73	78	81	78	80	88	88	90	90	90	87	84	68	64	70	74	74	74	..	79.7
	Minimum	58	56	51	55	59	59	56	56	61	61	44	36	40	44	54	48	49	62	60	60	60	62	65	69	47	40	37	39	42	60	..	52.8
Taylorsville	Maximum	86	84	80	84	86	85	87	90	92	87	70	65	76	82	78	..	..	..	90	93	87	91	90	90	68	68	..	..	..	76	..	*82.7
	Minimum	68	57	67	58	69	61	65	75	65	63	60	51	64	61	60	..	..	..	71	51	34	45	46	51	44	35	..	..	..	42	..	56.0
Williamstown	Maximum	79	75	78	81	82	82	82	88	80	79	63	68	72	80	74	74	77	83	88	93	93	84	85	84	75	69	66	73	73	70	..	77.8
	Minimum	56	66	66	57	59	62	61	61	61	58	47	47	44	49	50	60	51	63	58	62	64	65	69	70	46	37	39	43	49	49	..	64.0
Eastern Division.																																	
Annville	Maximum	81	80	82	86	86	84	84	86	85	93	62	68	72	78	79	77	80	82	91	..	95	90	86	83	78	60	69	73	78	76	..	*80.1
	Minimum	55	53	49	50	54	63	49	51	54	58	44	35	34	38	47	41	41	45	51	..	54	53	67	64	49	38	32	33	35	47	..	*47.0
Ashland	Maximum	82	82	81	84	83	84	84	86	80	79	66	69	75	79	82	78	80	89	92	93	96	86	88	83	69	60	67	72	77	74	..	79.9
	Minimum	58	59	55	57	57	67	68	68	69	54	51	43	42	46	52	49	50	50	51	55	58	62	53	65	48	40	37	37	42	48	..	52.1
Berea	Maximum	79	78	79	82	83	83	85	85	86	79	68	67	71	78	77	73	77	84	86	88	90	90	90	82	75	68	66	74	76	72	..	78.3
	Minimum	69	54	62	54	58	56	66	55	58	56	44	40	40	49	48	47	46	50	59	59	60	69	69	65	47	38	38	40	60	45	..	51.8
Farmers	Maximum	80	79	80	82	84	83	82	83	82	70	70	63	71	78	78	75	74	86	88	90	92	92	82	74	74	60	65	70	72	70	..	77.6
	Minimum	57	55	62	62	63	54	62	55	66	61	48	36	35	39	46	43	43	44	48	51	56	56	52	64	49	35	33	34	35	44	..	47.9
Heidelberg	Maximum	83	81	84	86	86	84	86	87	86	74	67	70	74	80	80	78	81	88	90	92	94	88	86	83	74	61	70	76	76	76	..	80.5
	Minimum	59	56	55	54	55	55	58	56	57	63	47	38	38	40	60	45	47	53	57	57	56	58	67	55	39	36	37	38	48	..	60.5
Lynch [near]	Maximum	70	68	69	77	74	74	72	74	74	74	67	55	63	65	68	64	70	74	74	77	76	74	74	71	65	59	59	62	64	69	..	68.9
	Minimum	65	58	51	54	56	62	61	54	57	67	40	34	37	43	52	46	47	62	56	58	58	59	58	54	59	45	30	34	36	48	..	49.5
Maysville	Maximum	78	80	82	84	82	83	85	85	79	77	65	66	74	82	76	77	77	86	91	91	94	86	86	84	70	61	67	72	76	72	..	78.8
	Minimum	57	57	55	59	59	60	59	59	69	62	51	40	40	46	50	49	52	53	52	66	59	58	55	66	50	35	37	42	45	45	..	52.2
Middlesboro	Maximum	87	88	84	86	85	84	84	85	88	72	64	62	72	74	80	78	78	85	86	90	88	90	88	86	..	..	..	82	..	79	..	*80.6
	Minimum	59	56	56	57	60	60	56	57	67	64	46	39	40	44	46	47	60	66	59	58	59	61	..	..	..	..	..	32	..	35	..	*62.4
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	85	85	82	85	87	85	86	87	74	66	68	74	81	82	77	82	88	88	91	92	88	87	80	67	62	70	75	77	74	..	80.5
	Minimum	59	69	58	58	60	58	58	60	60	53	45	45	45	48	51	51	51	56	60	60	56	56	64	48	39	39	39	44	47	..	52.6
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	55	63	52	54	56	64	61	50	54	62	44	40	37	40	40	50	45	48	53	53	50	51	54	62	43	49	34	34	44	..	47.7
Quicksand	Maximum	84	84	84	87	88	87	88	88	89	81	75	77	78	32	82	81	85	91	92	94	96	89	89	82	78	..	76	78	79	77	..	*84.2
	Minimum	61	58	56	55	58	57	56	69	60	60	48	42	42	44	50	48	47	46	54	69	59	60	56	65	57	..	36	38	40	48	..	*61.6
Richmond	Maximum	82	80	80	84	85	84	85	85	87	76	65	66	72	80	80	78	78	85	86	90	92	92	86	85	82	66	69	68	72	76	..	78.7
	Minimum	64	60	58	60	62	62	62	63	64	66	46	44	44	52	56	52	55	56	62	64	66	65	63	66	50	40	40	45	47	50	..	66.0
Williamsburg	Maximum	91	83	86	86	90	93	92	93	88	81	72	69	74	80	83	79	83	91	90	92	94	95	91	86	83	65	70	73	77	75	..	83.4
	Minimum	58	67	65	67	56	55	58	56	60	65	45	39	40	45	61	46	48	52	57	57	58	57	68	64	51	44	36	37	41	46	..	52.8
Winchester	Maximum	79	78	80	81	83	84	86	84	72	61	67	71	77	77	75	76	84	89	89	93	87	90	82	73	60	67	73	75	72	..	78.3
	Minimum	60	66	55	57	60	60	58	59	61	59	45	41	40	48	52	49	52	53	58	63	64	64	60	66	48	36	38	42	44	47	..	53.2

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
*, *, * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville 10-27-40-1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

13 KENTUCKY SECTION.
J. L. KENDALL.
VOL. XLV LOUISVILLE, KY., OCTOBER, 1940 No. 10

GENERAL SUMMARY.

Very dry weather, with temperatures averaging above normal, prevailed during the month. Variable temperature conditions characterized the first three weeks and unseasonable warmth the last decade. Moisture remaining from the rains late in the preceding month caused irregular improvement in pastures, late potatoes and tomatoes. This improvement lasted longest in the east-central part of the State. Soil moisture in most of the State, except the extreme west, brought up grain that was sown during the first two weeks. In considerable western and southern areas the soil by that time had dried out to such an extent as to render germination uncertain. Plowing and conditioning of soil for seeding became more and more difficult as the month advanced. Light showers on the 7th were of little benefit. Some grain sprouted and died because the moisture was not sufficient to support growth. High pressure that accompanied the increasing dryness late in the month rendered precarious the condition of much grain that had just come up. Growth practically everywhere was very slow and plants remained much undersized. Grain sown toward the end lay in the dry soil without sprouting. Some early rye advanced sufficiently to provide light pasturage, but this source of feed was very limited.

Late potatoes were generally poor because rainfall occurred so seldom during the period of growth that development could not be continuous. The cutting of late tobacco was completed early in the second week. The dry weather and many warm days favored air curing. This type of weather also hastened the maturity of late corn and was highly favorable for making late hay from soybeans and alfalfa. Harvesting soybeans for seed could be carried on almost every day. Corn cutting and silo filling proceeded without interruption. The weather was exceptionally favorable for gathering apples and picking cotton.

Most of the State experienced no killing frost. Tomatoes and late beans continued to produce moderately throughout the month. The light frost that occurred on the 17th and 21st caused only slight damage to the most susceptible vegetation.

After improving for a short time pastures deteriorated and rather heavy feeding became necessary. Dry weather reduced the growth of fourth crop alfalfa to such a degree that some fields were not cut. Increasing shortage of stock water resulted in much hauling during the last two weeks.

TEMPERATURE.

In the first two decades short periods of rather low temperature alternated with brief intervals of decided warmth. Very warm weather prevailed in the last decade. Daily means in the warmest periods were 10° to 15° above normal and maxima ranged from 80° to 90°. Temperatures fell to freezing at some stations on the 17th and 21st. The high average temperatures were due mainly to high maxima, which resulted in part from the large number of days with complete sunshine. Extremes for the State were 93° at Henderson on the 26th and 25° at Clermont on the 17th.

PRECIPITATION.

Precipitation averaged slightly more than one-fourth of the normal amount. Limited areas scattered over the State received from 1.0 to 1.5 inches. In most of the State monthly amounts were less than 1.0 inch and in some northern districts less than 0.5 inch. For the State as a whole they ranged between 0.18 inch at Winchester and 2.28 inches at Leitchfield. Local showers occurred in the periods 5-8th and 15-20th. Light to moderate and very irregular rainfall visited all districts on the 29-30th. Dates with thunderstorms were: 9, 7, 14, 15, 25, 29.

MISCELLANEOUS.

Rivers:—The Ohio and its main tributaries remained at pool levels during the month. Small streams became very low.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.08	30.34	18	29.77	31	6.7	26	n.	15	82	39	.	86
Cincinnati ..... Ohio	30.11	30.34	22	29.67	19	6.1	22	sw.	14	86	44	54	71
Evansville ..... Ind.	30.07	30.33	18	29.72	19	6.4	26	n	15	84	40	56	81
Louisville ..... Ky.	30.08	30.31	18	29.67	19	7.3	26	sw.	6	86	40	53	81

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature. †Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall	Number of days: Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	52.0	89	23	2.40	....	..	..	..	..
1890	55.7	87	23	2.94	....	..	..	..	..
1891	54.8	92	21	0.78	....	..	..	..	..
1892	57.3	97	19	0.51	....	..	..	..	..
1893	56.4	90	19	4.00	....	..	..	..	..
1894	58.6	92	25	1.36	....	5	..	..	..
1895	52.2	89	14	1.24	....	4	21	5	5
1896	55.8	90	25	1.71	....	5	18	7	6
1897	63.2	96	26	1.10	0.0	4	25	3	3
1898	57.1	93	21	4.19	T.	10	12	9	10
1899	61.3	93	26	2.42	0.0	5	18	6	7
1900	64.5	94	29	2.29	0.0	5	16	8	7
1901	58.1	93	25	1.57	0.0	4	22	6	3
1902	60.1	91	25	2.34	T.	5	18	7	6
1903	57.7	96	19	2.22	T.	5	19	6	6
1904	57.2	93	20	0.52	0.0	2	21	6	4
1905	57.0	90	25	4.95	0.0	9	14	5	12
1906	56.9	91	20	1.51	T.	7	15	5	11
1907	55.5	93	20	2.97	T.	6	18	5	8
1908	57.1	92	20	0.71	0.0	3	20	6	5
1909	55.2	94	18	2.11	T.	6	19	5	7
1910	61.4	96	17	4.45	0.1	6	20	4	7
1911	59.9	94	27	3.71	0.0	10	13	6	12
1912	59.5	92	25	1.42	0.0	4	18	7	6
1913	56.9	97	23	3.65	T.	9	14	5	12
1914	59.7	91	22	5.10	0.0	9	13	8	10
1915	60.6	90	27	3.40	0.0	6	18	7	6
1916	57.6	97	24	2.59	T.	6	20	5	6
1917	51.1	90	20	3.18	0.1	7	14	8	9
1918	62.3	91	32	3.81	0.0	10	13	7	11
1919	65.6	98	35	7.99	0.0	15	8	7	16
1920	61.0	93	24	1.64	0.0	4	21	5	5
1921	57.1	90	24	2.31	0.0	6	20	5	5
1922	60.2	96	25	2.28	0.0	6	20	4	7
1923	56.5	89	19	1.68	0.2	5	18	5	8
1924	61.1	91	24	0.27	0.0	1	23	5	3
1925	52.9	88	13	7.09	3.2	11	6	7	18
1926	59.3	94	25	5.96	T.	11	12	8	11
1927	60.7	92	27	2.61	0.0	4	20	6	5
1928	61.6	95	21	3.93	0.0	8	17	7	7
1929	56.4	85	25	3.65	T.	8	14	5	12
1930	55.8	94	16	1.33	T.	6	16	7	8
1931	62.0	93	28	3.01	0.0	8	17	6	8
1932	56.0	85	24	3.31	0.0	7	17	5	9
1933	57.4	88	23	2.05	0.0	6	19	5	7
1934	59.5	88	22	0.88	0.0	4	21	5	5
1935	59 5	91	22	2.51	0.0	8	15	7	9
1936	58.5	88	24	3.47	0.0	9	10	9	12
1937	55.7	93	17	4.27	T.	12	13	6	12
1938	60 1	95	24	0.48	0 0	2	24	4	3
1939	60.9	95	23	2 11	0 0	6	20	6	5
1940	60.4	93	25	0.74	0.0	4	20	7	4
Period	58.3	98	13	2.67	0.1	6	17	6	8

†52-year averages.

Natural History Library

Climatological Data for October, 1940.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Greatest daily range	Total	Departure from the normal	Greatest in 24 hours	Total snowfall unmelted	With precip. 0.01 in. or more	Clear	Pt. cloudy	Cloudy	Prevailing direction of wind	
Western Division.																				
Beaver Dam	Ohio	441	28	61.0	+ 2.3	88	13†	28	17	46	0.72	−2.08	0.57	0	2	16	11	4	s.	Eldred G. Young.
Calhoun	McLean	437	36	62.0	+ 2.1	89	10†	32	17	43	0.20	−3.39	0.18	0	2	23	3	5	.....	R. C. Bennett.
Earlington	Hopkins	420	46	62.6	+ 3.0	91	26	32	31	45	0.62	−2.68	0.34	0	3	26	3	2	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	0.79	−2.11	0.35	0	3	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	0.78	.....	0.32	0	3	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	61.4	+ 2.1	89	26	30	17†	46	0.78	−2.94	0.35	0	3	23	8	0	s.	C. R. Lovell.
Hartford (near)	Ohio	640	.....	.....	.....	.....	.....	.....	.....	.....	0.51	.....	0.24	0	4	19	10	2	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	63.5	.....	93	26	34	21	45	0.85	−2.33	0.37	0	3	22	9	0	e.	Frank T. Street, Jr
Hopkinsville	Christiau	524	44	61.3	+ 0.5	88	13	31	18	44	0.77	−2.66	0.30	0	3	22	8	1	s	W. K. Morris.
Lovelaceville	Ballard	479	11	63.8	+ 3.8	90	26	31	17	47	1.74	−1.78	0.55	0	6	23	8	0	s.	Blaine Malone.
Mayfield	Graves	364	31	†64.7	+ 4.2	88†	5†	36b	18	41†	1.01	−2.25	0.37	0	3	22	9	0	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	64.4	+ 4.4	88	14	37	18	38	0.98	−2.53	0.50	0	3	8	11	12	s.	Ralph B. Wear.
Owensboro	Daviess	420	43	60.0	+ 1.3	87	5	31	21	36	0.81	−2.64	0.40	0	4	27	3	1	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	0.77	−2.16	0.39	0	4	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	65.0	+ 3.7	90	6	37	17	38	0.68	−2.64	0.35	0	3	27	3	1	.....	Joe Lagore,*
Princeton	Caldwell	529	33	64.6	+ 5.4	91	13	33	17	45	1.11	−2.06	0.52	0	3	24	3	4	s.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	0.53	−2.67	0.31	0	3	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	*60.3	+ 0.9	87*	5†	31d	17	41*	0.51	−2.37	0.22	0	3	.....	.....	.....	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	0.66	−2.28	0.38	0	4	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	0.62	−2.45	0.35	0	5	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	59.0	+ 2.3	86	12†	30	16	38	0.44	−2.54	0.31	0	3	24	4	3	sw.	C. E. Barret.
Bowling Green	Warren	500	44	62.1	+ 2.2	85	6	36	17	34	0.80	−2.41	0.38	0	4	21	8	2	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	0.75	−2.29	0.30	0	4	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	0.92	−2.26	0.41	0	4	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	1.01	−1.87	0.58	0	2	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	58.2	.....	88	14	25	17†	47	1.20	.....	0.75	0	4	25	4	2	w.	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	1.45	−1.08	0.65	0	6	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	59.8	.....	85	26†	29	17	39	0.47	−1.45	0.25	0	4	25	4	2	ne.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	60.8	+ 2.0	85	5†	33	18	37	1.17	−1.81	0.72	0	5	19	8	4	s.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	0.57	.....	0.25	0	3	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	59.0	+ 2.0	86	27	28	17†	39	1.08	−2.08	.....	0	.....	20	7	4	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	59.9	+ 2.5	89	27	30	17†	43	0.83	−1.88	0.32	0	6	20	7	4	sw.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	0.89	−2.02	0.44	0	4	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	60.6	+ 1.9	85	5†	30	17	40	0.94	−1.77	0.39	0	7	15	15	1	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	0.36	−2.09	0.27	0	3	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	57.0	− 0.1	87	14	26	17	43	0.92	−2.47	0.59	0	4	11	5	15	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	0.41	−2.41	0.29	0	4	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	59.2	+ 2.0	86	26	30	17	40	0.46	−2.57	0.31	0	2	23	6	2	s.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	0.76	.....	0.49	0	4	20	8	3	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	0.92	−2.41	0.37	0	4	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	653	44	61.2	+ 2.7	90	26	35	17†	44	2.28	−1.18	1.82	0	3	19	7	5	sw.	D. Lem Hughes.
Lexington	Fayette	989	56	61.0	+ 8.6	87	11†	32	17	35	0.55	−2.04	0.29	0	7	21	6	4	.....	U. S. Weather Bureau.
Littlefickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	0.21	−2.61	0.15	0	2	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	0.77	−2.09	0.38	0	3	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	63.2	+ 3.9	86	13	38	17	30	0.54	−2.11	0.35	0	5	18	9	4	sw.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	2	60.8	.....	86	5	32	17	36	0.58	.....	0.36	0	7	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	59.2	.....	87	28	28	17	43	0.81	.....	0.34	0	6	26	0	5	s.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	1.06	.....	0.50	0	4	18	8	5	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	1.24	−2.16	0.71	0	5	.....	.....	.....	.....	Chester Williams.
St. Joun	Hardin	777	44	58.2	+ 0.5	81	5†	29	17	36	0.51	−2.76	0.26	0	5	20	6	5	.....	Sisters of Loretto.
Salvisa, Lock 5¶	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	0.58	−2.29	0.28	0	6	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	59.6	+ 2.4	86	13	27	17	41	1.02	−1.90	0.45	0	5	20	0	11	n.	Willa S. Ratta,
Smith's Grove	Warren	607	2	61.2	.....	87	5†	32	17	39	1.27	.....	0.49	0	5	16	5	10	sw.	C. W. Cuernsey.
Stearns	McCreary	1400	4	59.2	.....	85	27	33	17†	33	1.04	.....	0.52	0	5	18	5	8	sw.	Airway Station.
Taylorsville	Spencer	489	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	0.58	−2.40	0.32	0	5	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	60.8	+ 4.9	86	27	35	11†	35	1.00	−1.99	0.40	0	6	18	8	7	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	0.56	−2.47	0.21	0	4	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	9	56.5	.....	85	14†	26	21	45	0.96	.....	0.66	0	3	19	9	3	sw.	W. A. Worthington.
Ashland	Boyd	534	23	58.6	+ 0.8	88	14	32	19†	43	0.99	−1.76	0.72	0	4	17	5	9	ne.	Lockmaster.
Berea	Madison	1070	37	60.0	+ 1.4	84	6†	32	17†	40	0.54	−2.54	0.19	0	4	17	3	6	w.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	0.49	−2.56	0.16	0	5	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	0.20	−2.37	0.17	0	2	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	1.20	−1.41	0.78	0	7	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	55.4	− 1.1	81	6†	29	21†	40	0.48	−2.43	0.22	0	4	14	13	4	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	0.36	−2.95	0.13	0	3	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	0.22	−2.37	0.13	0	5	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	0.40	−2.60	.....	0	3	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	0.82	−1.34	0.40	0	4	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	1.08	−1.96	0.50	0	4	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	58.2	.....	86	13†	30	22	46	0.70	−2.42	0.46	0	4	19	5	7	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	1.04	.....	0.48	0	3	.....	.....	.....	.....	Jas. T. Golf.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	0.48	−3.03	0 29	0	2	.....	.....	.....	.....	R. J. Howard,
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	0.46	−2.41	0.30	0	3	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	53 2	.....	73	28	31	20	25	.....	.....	.....	0	.....	24	0	7	s.	James S. Allen.
Maysville, Dam 33	Mason	524	42	59.6	+ 1.6	86	13†	31	17	39	0.53	−2.13	0.34	0	4	17	9	5	sw.	Lockmaster.
Middlesboro	Bell	1128	41	58.4	+ 1.1	81	26†	31	22	39	0.42	−2.56	0.22	0	2	24	5	2	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	0.60	.....	0.37	0	3	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	1 31	+1.11	0.78	0	6	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	0.50	.....	0.27	0	3	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	636	4	58.0	.....	86	14	34	18†	39	0.57	−2.29	0.27	0	4	12	14	5	e.	U. S Weather Bureau.
Pippapass	Knott	1035	6	.....	.....	.....	.....	29	22	.....	0.91	.....	0.46	0	3	25	2	4	w.	Caney Run Com. Cen.
Quicksand	Breathitt	732	14	*60.6	+ 3.0	88*	27	31b	22	47*	0.68	−2.79	0 68	0	1	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	0.44	−2.45	0.30	0	3	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	62.1	+ 3.4	85	27†	35	21	32	0.50	−2.47	0.20	0	5	22	0	3	.....	J. W. Crooke.
Valley View, Lock 9	Jefferson	571	27	.....	.....	.....	.....	.....	.....	.....	0.23	−2.77	0.13	0	3	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	0.71	−2.29	0.30	0	6	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	59.4	− 0 1	85	14†	34	18†	46	0.40	−2.35	0.20	0	3	19	7	5	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	0.78	−2.24	0.36	0	4	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	60.0	.....	84	27†	28	17	39	0.18	.....	0.06	0	5	10	19	2	sw.	Airway Station.
State averages and extremes		.....	.....	60 4	+ 2.1	93	26	25	17†	47	0.74	−1.98	1.82	0	4	20	7	4	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, ', b, *, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for October, 1940.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.					T.		.15																						.57			0 72
Calhoun G.											T.				18														.62			0 20
Earlington G.								.34							.16														.12			0 62
Fords Ferry, Dam 50[3] O.					T.		.35								.18													T	T	.26		0 79
Gilbertsville[3] T.							.23		T.						.23		T.												T	.32		0 78
Greenville G.							.35								.25														.18		T	0 78
Hartford G.				T	.02		.24				T.				.14							T.							.11		T	0 51
Henderson O.				T			.31				T.				.22														.26			0 85
Hopkinsville[3] C.							.20								.27															.30		0 77
Lovelaceville M.					.27		.26							.20	.16														.28	.65		1 74
Mayfield M.							.37								.34														.30		T	1 01
Murray T.							.50								.18														.25			0 93
Owensboro O.				T.	.03		.40				T.				.13							T.						T	.25			0 81
Owensboro, Dam 46 [2] O.					.03		.39					T.				.12														.23		0 77
Paducah[3] O.					T.		.35				T				.27														T.	.06		0 68
Princeton G.							.52								.17														.42			1 11
Rumsey, Lock No. 2 [3] G.					T.		.31		T						.20	T.														.02		0 53
Russellville [3] G.							.22								.26	.03																0 51
Uniontown, Dam 49[3] O.					.01		.58								.24															.03		0 66
Central Division																																
Addison, Dam 45 [3] O.					.05		.35	.02							.10	T.														.10		0 62
Anchorage O.					T	.31								.10										T.					.03			0 44
Bowling Green [3] G.					T.		.38								.30	.11														.01		0 80
Bowling Green No. 2[3] G.					T.		.37								.25															T.		0 62
Brownsville, Lock No. 6[2] G.					.05		.27								.13															.39		0 75
Burnside[3] C.					T			.12								.41			.04	F.										.35		0 92
Carrollton, Lock No. 1[2] K.							.43																							.58		1 01
Clermont S.						.02	.31								.12														.75			1 20
Cold Spring, Dam 36[3] O.					.07	T.	.40	.08							.04	T.		T.	T.						.21				T.	.65		1 45
Danville[3] K.								.25							.04	.03			T.											.15		0 47
Dix Dam, Burgin K.								.28						.01	.09														.07		.72	1 17
Eadsville [3]								.08								.25													.24			0 57
Eubank C.								*							*														* 1.08			1 08
Frankfort, Lock No. 4[2] K.					T.		.15	.21							.08	.04			.03					T						.32		0 83
Gest, Lock No. 3 [2] K.							.34								.07				T					.04				T.		.44		0 89
Glasgow G.					.01		.33	.14							.14	.23			.01											.02			0 94
Grant, Dam 38[3] O.							.27	T.										T.	.05						T.	T.				.04		0 36
Greensburg [3] G.							.59								.25														.02	.06		0 92
High Bridge, Lock No. 7[2] K.					T.		.29								T.	.08			.01											.06		0 44
Irvington O.					T.	T.	.31				T.				.15														T.			0 46
LaGrange O.					T.		.49								.10				.04										.13	T.		0 76
Lancaster[3] K.														.20	.05														.10		.57	0 92
Leitchfield [2] G.				T.			.25								.21														1.82			2 28
Lexington [2] K.					.01		.29								.07				.03	T.				.02					.02		.11	0 55
Little Hickman, Lock No. 8 [2]† K.															.15															.06		0 21
Lockport, Lock No. 2[3] K.							.32								.07				T.						T.				T.	.38		0 77
LOUISVILLE† O.			T.	T.	T.	.01	.34								.13				.01										.04		.01	0 54
Do. Bowman Field O.				.01	.01	.01	.36								.11				T	T.									.04		.04	0 58
Mammoth Cave[2] G.					.01		.34	.01							.20	.03														.22			0 81
Monticello [2] C.								.07								.50													.04	.45			1 06
Munfordville [2] G.							.08	.24							.03	.18														.71			1 24
St. John S.							.25	.01							.13														.11	.01			0 51
Salvisa, Lock No 6 [2]† K.							.02	.28							.07	.05			.02											.11			0 55
Shelbyville S.					T.		.32								.14				.02										.45	.09			1 02
Smith's Grove G.				.02			.24								.36				T.										.16		.49	1 27
Stearns C.							.52				.02				.15				T.										.33		.02	1 04
Taylorsville S.																																
Tyrone, Lock No. 5 [2]† K.							T.	.32							.06	.03			.12											.05			0 58
Williamstown L.							.33								.12		.02		.02										.11	.40			1 00
Woodbury, Lock No. 4[2] G.							.21								.21	.03														.11			0 56
Eastern Division																																
Annville C.					T.		.26								.04				T.										T.	.66			0 96
Ashland [2] O.							.07									.04				.03					.13					.72			0 99
Berea K.							.12								.18				.05											.19			0 54
College Hill, Lock No. 11[2] K.					.03	T.		.15								.11				.04										.16			0 49
Cynthiana [2] L.																.03	T.													.17			0 50
Falmouth [2] L.					.01		.17	.14							.06	.02		T.	.02						T.					.78			1 20
Farmers [2] L.							.14								.06				.06											.22			0 48
Flemingsburg [2] L.								.13								.11														.12			0 36
Ford, Lock No. 10 [2]† K.						T.		.13							.03	.04			.01											.01			0 22
Grayson [2] O.								*								*														.40			0 40
Greenup, Dam 30[2] O.								.17								T.			T.	.08						.17				.40			0 82
Hazard [2] K.								.25								.30	.03													.50			1 08
Heidelberg, Lock No. 14[2] K.								.20							.02				.02											.46			0 70
Jackson [2] K.								.48								.10			T.											.46			1 04
Jenkins [2] B.									T.											.29										.19			0 48
Louisa [2] B.								.30								.12														.04			0 46
Lynch [near] C.																																
Maysville, Dam 33[2] O.					T.			.11							T.	.05			T.						.03					.34			0 53
Middlesboro C.						.20										.22																	0 42
Mount Sterling L.																																
Oneida [2]† K.							.37									.23																	0 60
Oneonta Dam 35[2] O.					.05	T.	.23	.12							.01	T.		T.	T.						.12	T.		T.	.78				1 31
Paintsville [2] B.								.27								.11														.12			0 50
Pikeville B.							.27								.07	T			T.										.03	.20			0 57
Pippapass K.					T.		.40	.05																						.46			0 91
Quicksand[2] K.								T.																						.68			0 68
Ravenna, Lock No. 12[2] K.					T	T	T.	.30								.08			T.	T.										.06			0 44
Richmond [2] K.							.20						.08	.05			.05												.12				0 50
Valley View, Lock No. 9[2] K.								.13							.05				.05											T.			0 23
Vanceburg, Dam No. 32 [2] O.								.16							.06				.03					.04	.30					.12			0 71
Williamsburg[2] C.								.20				T.			.12															.17			0 49
Willow, Lock No. 13[2] K.								.36								.06				.05										.31			0 78
Winchester K.				T.		.02								.07				.01										.02		.06	0 18

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.
River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for October, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	75	78	81	82	88	87	85	71	74	76	78	84	88	87	77	64	74	66	76	66	70	80	84	84	85	88	85	86	74	69	73	78.5
	Minimum	43	39	37	41	59	57	55	36	33	36	42	48	50	58	49	36	28	29	43	38	30	40	54	49	46	49	47	59	60	36	33	43.6
Calhoun	Maximum	76	80	82	83	89	87	75	72	75	77	78	85	89	86	77	65	75	66	67	74	70	81	82	84	86	88	85	86	75	72	75	78.3
	Minimum	46	43	40	44	59	56	55	42	38	39	46	47	49	52	49	49	32	34	45	41	34	42	48	50	46	49	48	52	62	35	33	45.3
Earlington	Maximum	73	76	80	87	87	85	75	69	73	75	76	84	82	85	78	62	73	65	77	65	74	83	85	89	88	91	88	86	72	72	77	78.5
	Minimum	43	41	41	59	61	59	52	40	38	39	49	54	52	60	50	40	34	33	45	39	35	42	51	55	52	54	50	54	57	36	32	46.7
Greenville	Maximum	78	77	81	84	88	88	80	70	75	75	77	84	88	87	79	62	75	67	78	72	71	81	80	84	86	89	85	87	75	68	75	78.7
	Minimum	43	39	38	42	56	53	54	37	34	37	46	49	51	51	48	37	30	30	43	40	31	39	53	50	50	52	49	58	60	36	32	44.0
Henderson	Maximum	76	80	85	83	90	85	75	74	76	79	80	85	91	85	73	64	74	76	79	67	74	81	82	85	88	93	85	86	75	72	76	79.5
	Minimum	45	40	40	48	54	61	45	41	37	40	51	52	56	60	49	37	36	38	47	41	34	45	58	54	57	58	54	59	62	37	35	47.5
Hopkinsville	Maximum	73	76	80	84	87	87	70	71	74	77	78	88	88	87	69	68	68	75	77	65	72	81	80	82	84	86	83	86	75	69	70	77.4
	Minimum	48	44	40	45	56	54	55	37	36	40	50	47	48	51	49	39	37	31	43	44	35	44	53	46	45	47	46	53	58	38	41	45.2
Lovelaceville	Maximum	81	82	85	85	89	87	81	75	77	80	79	86	89	87	80	67	78	71	85	77	76	85	82	86	87	90	87	88	80	74	72	81.5
	Minimum	42	40	40	46	57	58	57	36	37	38	52	50	52	54	50	49	31	32	44	44	37	43	51	50	46	50	46	59	63	37	41	46.2
Mayfield	Maximum	75	78	83	87	88	86	73	73	76	79	80	88	87	79	63	78	70	83	76	74	74	83	81	84	..	..	..	..	..	..	71	†79.4
	Minimum	51	47	47	55	61	62	57	42	44	45	54	54	57	58	50	41	37	36	52	47	41	49	57	53	54	51	60	..	..	..	44	48	†50.0
Murray	Maximum	74	77	80	84	86	87	78	70	73	78	85	86	87	88	78	62	77	75	80	70	71	83	80	83	86	87	86	84	78	68	68	78.8
	Minimum	49	49	46	53	55	61	57	44	44	42	52	56	55	56	50	40	39	37	51	42	41	49	57	54	52	56	55	63	56	43	44	49.9
Owensboro	Maximum	71	75	77	79	87	86	66	67	69	77	72	81	85	84	63	60	70	62	74	62	67	78	81	82	84	86	84	83	71	64	62	74.5
	Minimum	42	41	40	45	58	58	54	39	42	40	45	49	50	55	48	37	32	32	45	42	31	46	50	52	46	50	49	48	62	37	42	45.5
Paducah (near)	Maximum	78	80	81	84	88	90	79	73	78	77	76	83	86	86	66	65	73	65	80	69	72	81	80	82	83	85	86	85	85	70	81	79.2
	Minimum	53	48	45	50	61	62	58	42	42	43	55	55	58	59	61	44	37	39	61	48	42	46	55	54	52	56	51	61	64	43	43	50.9
Princeton	Maximum	77	79	84	83	89	87	72	74	80	78	81	85	91	97	64	62	75	69	81	78	73	84	82	85	87	89	85	86	76	69	74	80.2
	Minimum	48	45	42	52	63	61	56	41	42	43	53	55	58	59	51	38	33	38	51	44	36	45	56	54	52	53	50	58	65	38	37	48.9
Russellville§§	Maximum	75	76	79	84	87	86	67	79	73	78	73	82	83	85	60	62	72	68	75	66	68	79	80	81	83	87	..	..	..	..	..	†76.3
	Minimum	45	41	39	41	47	56	54	40	43	39	55	50	51	54	50	37	31	33	32	42	33	40	42	50	50	51	49	..	..	..	..	†44.3
Central Division.																																	
Anchorage	Maximum	72	74	77	79	85	74	68	70	71	75	81	86	85	75	62	68	60	68	71	60	66	76	80	82	83	86	85	83	74	68	72	74.7
	Minimum	44	43	42	44	59	52	38	38	39	42	47	50	57	49	38	30	32	36	44	35	32	41	47	50	47	52	48	47	54	34	33	43.4
Bowling Green	Maximum	75	76	76	80	84	85	77	68	70	72	80	80	83	84	79	64	70	65	74	69	67	75	77	79	81	83	82	84	75	68	75	76.0
	Minimum	48	45	43	46	59	57	55	45	43	42	47	50	53	54	53	42	37	36	44	38	33	41	47	52	51	51	50	53	60	43	48	48.2
Clermont	Maximum	77	80	84	84	85	85	79	71	74	77	75	79	87	88	82	67	72	68	73	67	70	81	84	82	79	82	84	86	77	69	76	78.0
	Minimum	39	36	34	37	38	37	49	32	30	36	35	40	50	47	49	33	25	25	38	39	32	37	42	40	43	42	43	48	52	41	31	38.5
Danville	Maximum	71	72	77	77	84	83	75	63	69	71	73	79	83	84	75	60	68	62	72	65	64	73	78	79	81	85	85	85	79	69	71	74.6
	Minimum	47	42	44	44	57	56	55	43	36	36	40	47	52	57	48	39	29	36	42	38	31	36	52	49	49	61	51	48	58	42	34	45.0
Dix Dam	Maximum	73	74	78	80	86	85	75	67	69	71	75	79	84	84	79	60	68	65	72	70	65	74	78	80	82	84	85	85	79	66	71	75.5
	Minimum	48	43	41	45	60	57	57	44	38	38	41	47	54	53	50	40	33	33	45	41	35	39	56	50	50	55	51	48	55	43	36	46.0
Eubank	Maximum	78	72	67	80	84	83	79	83	78	75	73	80	85	85	75	67	67	67	64	73	66	70	77	78	81	84	85	86	74	70	73	76.4
	Minimum	47	37	37	40	54	53	54	39	37	33	37	41	50	49	48	35	28	28	42	36	39	36	42	43	42	44	47	45	52	40	25	41.6
Frankfort	Maximum	75	78	81	80	86	85	78	72	73	73	76	82	88	85	64	63	70	65	74	66	69	75	81	84	85	87	89	86	77	69	70	76.7
	Minimum	50	40	40	42	56	52	58	41	38	37	40	48	47	49	50	37	30	30	44	38	31	35	41	48	48	52	46	45	50	39	34	43.1
Glasgow	Maximum	78	76	68	79	85	85	82	67	72	72	74	79	88	85	68	63	69	69	72	72	69	78	77	80	88	85	85	85	82	72	73	77.0
	Minimum	49	39	39	42	62	55	56	39	37	37	41	46	58	53	51	40	30	32	44	37	33	38	57	48	45	47	45	47	60	36	33	44.0
Greensburg	Maximum	68	68	75	73	75	81	80	65	65	69	75	80	88	87	78	56	69	64	74	68	68	78	79	76	77	79	79	76	75	67	68	78.4
	Minimum	41	35	37	38	55	49	54	37	32	33	41	41	47	49	49	37	26	28	48	36	28	37	41	43	42	45	44	43	52	39	28	40.5
Irvington	Maximum	72	71	73	81	85	83	66	68	73	74	72	77	80	81	73	62	70	64	72	60	66	76	78	72	82	86	82	80	72	66	72	73.8
	Minimum	44	40	40	44	58	58	54	36	35	38	43	48	52	54	47	36	30	31	42	38	32	39	53	53	51	55	49	52	59	36	35	44.6
Leitchfield	Maximum	75	78	81	81	89	86	79	70	74	75	75	82	87	86	75	63	73	66	75	60	68	78	80	84	86	90	87	87	72	63	75	76.7
	Minimum	45	44	42	47	47	54	55	42	38	40	47	51	51	57	49	47	35	36	47	39	35	42	41	41	41	54	52	55	54	40	46	45.7
Lexington	Maximum	72	74	80	81	85	84	70	68	69	73	87	80	86	85	65	62	67	62	71	61	66	74	78	81	82	87	87	85	79	67	71	80.7
	Minimum	50	43	43	47	61	58	47	42	39	40	46	50	54	58	43	37	32	35	41	39	34	40	51	54	53	59	53	54	58	40	39	49.7
Louisville	Maximum	73	74	76	77	83	85	76	68	71	72	72	80	86	83	67	60	68	59	71	57	66	76	80	81	83	85	84	83	73	66	71	74.6
	Minimum	51	50	50	52	63	64	56	48	46	46	47	50	54	61	61	46	40	38	45	48	42	39	49	58	62	60	64	58	58	57	47	51.8
Do. Bowman Field	Maximum	73	74	78	80	86	85	74	68	71	73	74	80	86	84	66	60	68	58	71	59	67	76	80	82	83	85	85	83	73	66	71	74.8
	Minimum	45	43	45	44	60	61	53	43	40	40	47	52	51	59	45	38	32	35	48	39	34	43	55	56	52	56	52	53	55	40	35	46.7
Mammoth Cave	Maximum	74	78	79	81	85	84	69	70	76	76	76	81	86	85	58	61	71	64	73	58	68	79	78	81	84	86	85	87	71	67	72	75.5
	Minimum	43	38	38	41	52	56	55	40	34	35	40	47	52	53	52	37	28	31	32	39	31	38	47	51	49	50	48	47	56	36	32	42.8
St. John	Maximum	70	70	72	75	81	81	65	64	67	66	73	75	79	81	81	58	64	65	65	65	65	73	74	76	80	75	78	80	80	66	73	72.2
	Minimum	46	41	40	43	59	57	55	37	36	37	42	44	47	51	58	38	29	34	47	38	29	36	46	49	49	46	50	46	48	57	35	37	44.1
Shelbyville	Maximum	73	75	78	80	85	84	78	70	73	75	75	80	86	84	76	64	68	63	71	63	69	75	80	82	82	85	85	85	75	68	72	76.1
	Minimum	46	39	40	42	55	53	53	36	35	36	42	48	49	53	47	35	27	34	42	35	29	36	46	49	48	50	48	59	54	37	36	43.2
Smith's Grove	Maximum	75	78	80	84	87	87	72	70	74	76	76	81	86	85	66	63	74	67	75	63	69	79	79	82	83	87	85	87	71	70	72	76.9
	Minimum	48	42	41	46	59	57	50	41	38	42	46	48	51	55	46	37	32	38	46	39	32	36	49	51	51	47	50	48	60	55	41	44.8
Stearns	Maximum	70	70	75	79	82	83	71	67	66	71	65	82	83	68	65	61	71	66	74	78	80	82	83	85	85	85	83	78	69	67	67	75.0
	Minimum	46	38	42	45	57	54	56	44	38	38	42	44	52	52	47	44	33	36	41	41	33	38	50	50	50	50	53	50	58	49	38	45.5
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	69	73	75	79	83	83	76	66	67	69	74	79	83	84	78	57	66	61	67	64	61	70	80	80	80	80	86	80	79	70	70	73.8
	Minimum	49	46	47	49	59	63	55	42	43	42	49	52	56	57	47	38	35	38	45	43	39	45	54	51	49	50	53	51	56	56	40	47.9
Eastern Division.																																	
Annville	Maximum	71	71	78	78	81	84	78	62	68	71	69	76	84	85	68	52	65	62	72	62	65	73	78	80	81	84	84	85	78	69	72	78.6
	Minimum	44	39	36	36	50	48	52	42	32	31	33	38	42	42	48	39	31	29	38	35	26	28	46	40	41	42	42	40	46	42	30	29.4
Ashland	Maximum	70	75	74	77	74	87	78	64	77	70	70	79	87	88	72	58	69	61	57	49	59	69	82	82	69	75	85	81	81	69	72	73.0
	Minimum	52	48	44	45	46	54	59	47	39	39	40	44	49	50	50	41	35	34	32	41	32	33	39	49	46	45	51	51	56	38	36	44.3
Berea	Maximum	69	69	74	77	81	84	73	65	66	68	70	76	83	84	69	57	67	60	71	61	61	73	77	79	80	82	84	80	80	74	75	72.9
	Minimum	45	42	42	45	56	62	55	44	37	37	42	45	57	55	48	38	32	32	42	38	30	32	51	52	51	52	55	59	53	55	59	45	55	47.1
Farmers	Maximum	66	72	76	73	75	81	67	63	66	69	68	75	81	81	56	57	63	63	68	53	60	69	75	72	77	77	81	79	67	62	65	69.6
	Minimum	45	44	37	39	53	50	54	46	33	39	35	41	46	45	51	34	33	29	38	36	29	29	38	44	47	47	48	43	51	43	30	41.8
Heidelberg	Maximum	70	72	77	77	83	85	84	67	69	70	75	79	86	86	61	54	67	63	73	65	65	76	79	82	83	84	86	86	81	72	73	74.5
	Minimum	47	48	41	46	52	50	56	40	35	34	36	45	47	46	54	46	32	31	39	39	32	36	39	42	46	47	46	42	47	46	32	42.0
Lynch [near]	Maximum	68	56	63	68	66	72	68	54	55	61	61	62	69	71	63	62	60	55	56	56	55	62	66	67	68	67	70	73	66	60	62	62.9
	Minimum	44	42	45	43	49	53	49	42	38	37	41	45	48	51	41	40	40	38	32	31	33	37	45	50	52	55	56	56	49	38	38	43.6
Maysville	Maximum	69	74	75	79	82	83	76	66	68	68	74	79	86	85	77	60	66	62	69	56	59	70	80	78	79	79	86	78	78	68	71	73.3
	Minimum	49	45	48	45	57	54	58	48	39	40	46	46	52	56	51	39	31	34	38	38	32	35	41	52	53	49	49	47	52	44	36	44.6
Middlesboro	Maximum	74	70	78	76	77	80	69	77	67	69	66	74	78	80	77	67	65	64	67	65	67	70	74	78	80	81	75	80	81	82	44	73.8
	Minimum	44	46	42	42	52	47	57	45	38	42	39	48	45	47	51	47	38	32	40	35	34	31	42	44	45	48	45	43	47	47	31	42.9
Mount Sterling	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	71	72	75	79	79	85	73	68	68	67	70	78	84	86	68	52	65	62	70	59	65	73	80	81	81	85	84	81	68	72	78	78.5
	Minimum	47	45	44	45	46	54	58	45	41	40	40	42	44	48	48	46	38	34	34	35	36	34	38	38	46	47	48	44	46	38	35	42.5
Pippapass	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	45	44	38	36	54	57	52	47	35	33	35	38	45	45	48	43	39	35	31	37	38	29	38	43	43	50	47	44	46	49	31	41.9
Quicksand	Maximum	77	76	80	83	84	85	75	77	77	78	78	81	86	88	76	67	68	72	78	70	70	78	80	81	86	..	86	87	83	75	78	†78.6
	Minimum	47	46	44	41	49	50	52	49	39	40	46	46	52	50	51	39	31	34	38	38	32	35	40	54	57	60	60	58	57	58	55	48	†49.2
Richmond	Maximum	75	75	78	80	80	86	76	68	70	70	78	83	86	84	70	60	68	65	68	58	65	74	78	80	80	82	85	82	78	67	72	74.0
	Minimum	52	48	50	60	63	63	66	46	43	45	48	52	58	63	56	40	36	38	46	40	35	40	54	57	60	60	58	57	58	45	40	50.9
Williamsburg	Maximum	72	72	75	79	81	84	78	73	67	72	68	78	83	85	77	51	67	63	73	64	65	78	78	78	80	79	80	88	85	79	72	73.8
	Minimum	43	41	40	42	57	53	49	49	38	38	40	44	50	50	50	46	39	34	43	37	36	42	46	34	45	45	48	48	46	50	34	44.1
Winchester	Maximum	72	72	76	76	81	81	73	65	68	70	72	76	83	82	78	59	67	61	70	59	63	72	78	79	80	88	84	84	78	65	70	78.8
	Minimum	49	46	44	50	51	60	56	44	39	42	44	49	56	56	49	35	28	37	43	38	33	39	51	53	54	57	54	53	59	44	39	46.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
*,†,‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 11-27-40-1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., NOVEMBER, 1940 No. 11

GENERAL SUMMARY.

Temperature above normal and favorable for growth prevailed for a few days at the beginning of the month. Much late sown wheat came up at this time, especially in those sections visited by rains on the 1st. Grains improved wherever moisture was sufficient, which comprised somewhat more than the northern half of the State. Freezing temperatures, with the first killing frost of the autumn, occurred on the 7th. A short period of cold weather at this time checked the growth of grains and grass, and relative dormancy continued until after the severe cold spell from the 12th to 16th. In this cold weather the ground froze rather deeply, damaging to some extent late potatoes that had not been dug. It brought winter conditions that required heavy feeding of livestock and resulted in some inconvenience from frozen water supplies. Growing weather returned with the abnormal warmth from the 19th to the 24th. In the southern counties grains that had been sown late in the dry period, with failure to germinate from continued lack of moisture, were brought up by the additional rainfall and this mild weather. After the first week water supplies were ample and surface moisture had been fully restored in northern and most central districts. The periodic improvement in fall grains during the month developed the smaller plants to fair size. Considerable rye became large enough to afford some grazing. Pastures improved in the northern counties and remained useful during most of the month. Rainfall in the first decade was sufficient for all needs in the northern districts, but generally too light in southern sections. Rain toward the end relieved the water shortage in most southern dry areas, but complaints of deficiency continued in some southeastern localities until the end of the month.

While rain at times interfered, the month as a whole was more favorable than otherwise for gathering corn and removing fodder from fields. The comparative frequency of rain early in the month favored bulking and stripping of tobacco, and made possible rapid progress in preparing the crop for the early markets. On this account the later stages of corn gathering were somewhat delayed.

TEMPERATURE.

In the warm periods at the beginning of the month and in the second decade temperatures ranged from 5° to 20° above the seasonal average. Maximum temperatures of 70° to 75° occurred on several days. Minima of 32° or lower were registered daily from the 12th to 19th, and also on a few other dates. The coldest weather occurred in the period 14-16th, when mean temperatures were 15° to 25° below the average and minima of 10° to 16° were reported from most stations. The extremes were 80° at several stations on the 3d or 4th and 6° at Lynch on the 16th.

PRECIPITATION.

Precipitation averaged somewhat more than the seasonal amount. It was generally less than normal in the mountains and above the average in most central and western districts. A few southeastern counties received less than 2.0 inches. In other sections from the edge of the bluegrass region eastward monthly totals ranged from 2.0 to 4.0 inches. In the central counties, large areas in the northern part of the State, and in most western districts it varied from 4.0 to 5.0 inches. The range for the State was between 1.46 inches at Jenkins and 5.87 inches at Bowling Green. Snow fell in the eastern counties on the 15th and 27-28th. In most the area visited by snow amounts varied from a trace to 3.0 inches, but a limited section in the extreme northeast received from 4.0 to 6.0 inches. Light to fairly heavy rains occurred in the periods 1st-2d, 5-6th, 10-12th, and 22d-27th. A few western stations reported 24-hour falls of 2.0 inches or more on the 11th.

MISCELLANEOUS.

Nov. 11. High winds caused minor damage in various sections. Wire systems were damaged in Pulaski County. Trees were uprooted, signs blown down, and there was some disruption of utility service at Louisville. Three persons were injured by flying debris at Louisville.

Rivers:—A slight rise in the Ohio on the last three days followed the rains late in the month, otherwise pool stages prevailed.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.18	30.59	14	29.45	11	9.1	37	sw.	11	78	57	.	57
Cincinnati ..... Ohio	30.12	30.47	19	29.54	11	9.1	33	sw.	11	81	58	62	41
Evansville ..... Ind.	30.17	30.54	14	29.45	11	9 5	47	sw.	11	81	56	66	48
Louisville ..... Ky.	30.17	30.47	13	29.55	11	10.3	50	sw.	11	80	59	62	44

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	43.1	85	10	6.04	....	..	..	..	..
1890	48.6	81	19	4.87	....	..	..	..	..
1891	43.5	75	10	6.04	....	..	..	..	..
1892	42.8	78	9	3.85	....	..	..	..	..
1893	44.3	79	— 2	3.12	....	..	..	..	..
1894	45.3	80	8	1.32	....	4	..	..	..
1895	45.8	85	16	4.29	....	7	10	7	13
1896	49.3	80	11	5.01	....	8	10	8	12
1897	47.8	78	12	4.69	T.	10	13	7	10
1898	43.2	80	10	2.79	0.5	8	12	7	11
1899	49.8	79	20	2.12	T.	8	11	7	12
1900	47.0	83	15	7.78	1.0	8	15	6	9
1901	41.8	82	11	1.52	T.	4	19	5	6
1902	53.4	90	20	4.42	0.3	11	11	6	13
1903	42.5	81	5	3.01	2.0	8	12	7	11
1904	44.7	79	14	0.89	T.	3	15	6	9
1905	46.4	79	14	3.55	T.	7	15	6	9
1906	46.1	93	11	5.02	2.3	7	13	6	11
1907	44.2	75	15	3.49	0.1	7	14	5	11
1908	48.6	80	8	2.61	0.2	7	14	7	9
1909	51.7	86	19	2.29	T.	6	15	6	9
1910	41.1	78	11	2.04	T.	6	16	5	9
1911	41.6	85	9	4.51	0.8	8	10	4	16
1912	45.2	82	10	1.22	0.2	4	16	5	9
1913	50.5	81	8	3.25	0.9	9	12	5	13
1914	46.9	83	5	1.23	0.4	5	18	5	7
1915	49.8	85	16	4.80	0.4	9	15	7	8
1916	47.8	83	8	1 52	T.	4	20	4	6
1917	44.3	78	11	1.23	0.1	5	14	5	11
1918	46.1	77	19	1.90	0.0	6	14	5	11
1919	47.4	78	16	7.31	0.0	9	15	5	10
1920	44.7	79	10	2.21	2.8	8	12	5	13
1921	49.8	79	20	7.96	T.	12	11	5	14
1922	48.3	87	10	1.93	0.4	6	16	6	8
1923	46.4	75	16	3.65	0.0	9	14	5	11
1924	47.7	83	13	1.82	0.1	9	11	7	12
1925	44.9	73	8	5.13	0.1	7	12	6	12
1926	42.9	80	0	3.40	2.0	9	10	7	13
1927	51.3	82	13	5.01	0.1	10	9	7	14
1928	46.8	78	10	3.93	T.	10	10	6	14
1929	44.6	81	— 9	4.03	3.0	11	8	6	16
1930	47.1	86	— 4	1.82	1.0	10	12	6	12
1931	55.0	84	19	3.52	T.	10	13	5	12
1932	43 8	78	11	2.71	0.4	9	14	5	11
1933	45.5	85	10	1.54	T	5	6	11	13
1934	50.5	84	14	2.85	T.	7	15	6	9
1935	47.3	85	11	3.86	T.	11	7	6	17
1936	42.9	81	10	3.50	3.4	5	14	8	8
1937	43.2	82	6	1.63	0.6	9	12	6	12
1938	47.9	83	2	3.68	3.7	9	16	5	9
1939	43.6	79	14	1.16	T.	6	13	5	12
1940	45.8	80	6	3.70	0.9	11	12	5	13
Period	46 4	93	— 9	3.40	0.6	5	14	8	8

†52-year averages.

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Climatological Data for November, 1940.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	28	*45.0	− 1.9	79[a]	3	14[a]	16	40[a]	2.89	−0.29	0.78	0	8	12	4	14	sw.	Eldred G. Young.
Calhoun	McLean	437	36	*46.6	− 1.7	80[a]	3	16[a]	14	42[a]	4.47	+0.88	1.25	0	7	14	4	12	.....	K. C. Bennett.
Earlington	Hopkins	420	46	46.6	− 1.4	81	3	15	14	43	4.66	+0.94	1.18	0	10	15	3	12	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	...	.....	.....	.....	.....	.....	.....	5.14	+1.97	1.42	0	12	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	.....	.....	4.90	.....	1.36	0	11	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	23	45.0	− 2.8	80	3	11	15	40	3.52	−0.02	0.92	0	10	15	11	4	n.	C. R. Lovell.
Hartford (near)	Ohio	540	.....	.....	.....	.....	.....	.....	.....	.....	3.99	.....	1.05	T.	10	10	6	14	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	46.0	.....	79	3	15	14	38	5.29	+1.50	1.53	0	8	13	5	12	n.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	46.1	− 2.4	79	3	13	15†	41	3.82	−0.20	0.85	0	10	16	12	2	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	46.8	− 0.7	80	3	14	15	43	5.40	+2.04	2.00	0	7	15	5	10	s.	Blaine Malone.
Mayfield	Graves	364	31	47.8	− 1.3	79	3	14	15	35	4.27	+0.89	1.40	0	9	13	9	8	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	47.0	− 1.1	79	2	16	14	36	5.30	−0.10	1.20	0	6	6	8	16	n.	Ralph B. Wear.
Owensboro	Daviess	420	43	44.4	− 2.6	77	3†	15	16	37	4.90	+1.58	1.90	T.	10	18	1	11	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	5.10	+2.29	1.17	0	11	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	20	47.5	− 1.6	79	4	17	15	38	5.18	+1.35	2.18	0	10	18	5	7	.....	Joe Lagore.*
Princeton	Caldwell	529	33	47.0	− 0.3	79	3	14	15	38	4.67	+1.38	1.29	0	11	14	3	13	s.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	4.33	+0.81	0.80	0	13	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	27	*45.2	− 1.8	78	3	13[a]	16	39[a]	5.28	+2.00	1.21	0	10	14	4	12	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	5.08	+2.32	1.12	0	9	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	12	.....	.....	.....	.....	.....	.....	.....	3.20	+0.40	0.55	T.	12	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	43 8	− 1.0	76	3†	14	16	39	4.91	+1.67	1.33	T.	8	16	2	12	se.	C. E. Barret.
Bowling Green	Warren	500	44	46.6	− 1.3	77	3	15	16	33	5.87	+2.23	1.89	0	9	15	5	10	s.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	5.73	+1.87	1.50	0	12	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	3.10	−0.36	0.70	0.5	13	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	3.37	+0.44	0.80	0	12	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	46.0	.....	77	4	12	14	44	4.67	.....	1.08	0	9	16	3	11	sw.	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	3.87	+0.63	1.19	1.5	14	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	16	45.8	.....	77	3	12	16	36	3.44	+0.43	0.74	0.5	13	15	1	14	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	47.2	− 0.4	75	3†	17	16	37	2.66	−0.57	0.51	1.0	10	9	3	18	s.	Kentucky Utilities Co.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	.....	.....	2.67	.....	0.60	0	12	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	45.4	− 0.2	78	2	13	16	43	1.98	−1.41	0.52	0	7	7	7	16	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	45.4	− 1.2	78	3	17	16	43	4.61	+1.02	1.41	T.	11	12	2	16	w.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	3.57	+0.33	1.01	T.	11	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	13	47.7	− 0.8	78	3†	17	16	41	5.37	+1.12	1.48	0	18	11	13	6	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	3.45	+0.68	0.96	T.	9	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	47	44.6	− 1.1	76	4	12	16	40	5.22	+1.67	1.97	0	10	6	0	24	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	3.19	+0.01	0.69	0.5	13	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	44.6	− 2.4	72	2†	14	14	36	3.90	+0.65	0.99	T.	10	12	3	15	s.	L. O. Stiles.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	.....	.....	4.56	.....	1.09	T.	10	12	6	12	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	3.22	−0.04	0.85	0	11	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	636	44	46.2	− 0.6	80	3	14	16	38	5.08	+1.14	1.90	0	9	10	3	17	w.	D. Lem Hughes.
Lexington	Fayette	989	56	44 5	− 0.3	76	3	15	16	34	3.58	−0.24	1.35	1.4	11	12	4	14	.....	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	3.51	+0.37	0.82	1.0	11	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	3.78	+0.99	0.98	0.3	12	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	46.6	− 0.1	76	3	19	14	29	3.98	+0.37	1.06	T.	11	10	6	14	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	44.8	.....	76	3	18	14	33	4.07	.....	0.87	T.	12	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	44.3	.....	78	3	13	16	43	5.73	.....	1.49	0	14	14	1	15	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	.....	.....	1.97	.....	0.69	0	8	13	6	11	.....	E. O. Cooper.
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	5.20	+2.54	1.51	0	12	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	44	45.4	− 0.4	79	3	15	14†	41	4.48	+0.93	1.15	0	11	13	10	7	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	4.49	+1.19	1.21	0.4	13	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	43.8	− 1.0	76	4	13	16	37	4.11	−0.86	1.06	T.	10	9	0	21	w.	Willa S. Estill.
Smith's Grove	Warren	607	2	45.8	.....	75	3†	16	16	32	4.02	.....	1.08	T.	12	9	5	16	s.	C. W. Guernsey.
Stearns	McCreary	1400	4	45.6	.....	76	3	13	16	34	1.68	.....	0.39	0.8	11	10	3	17	sw.	Airway Station.
Taylorsville	Spencer	489	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	4.29	+1.40	1.40	0.2	12	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	37	46.4	+ 1.2	78	4	14	16	40	4.16	+1.24	1.20	1.0	11	12	3	15	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	5.05	+1.59	1.03	0	13	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	9	44.0	.....	76	4	10	16	44	2 42	.....	0.70	2.0	11	10	7	13	sw.	W. A. Worthington.
Ashland	Boyd	534	23	46.6	− 0.5	78	4	13	16	39	3.37	+0.47	1.49	3.0	13	5	9	16	w.	Lockmaster.
Berea	Madison	1070	37	46.6	− 0.9	76	3†	14	16	37	3.57	+0.23	1.30	1.0	10	10	1	19	n.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	3.60	−0.30	0.66	3.0	12	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	3.91	+0.88	0.92	1.0	9	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	4.24	+1.29	0.99	1.6	13	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	33	43.0	− 2.5	74	3	19	16	39	2.53	−0.46	0.66	2.3	11	9	7	14	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	4.29	+0.91	1.09	1.0	12	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	3.33	−0.47	0.84	1.2	11	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	569	10	.....	.....	.....	.....	.....	.....	.....	2.90	+0.27	0.90	4.0	9	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	3.46	+0.44	0.95	6.5	12	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	2.07	−1.00	0.46	.....	12	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	46.2	.....	80	3	13	16	45	2 31	−0.57	0.80	2.0	11	11	1	18	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	2.75	.....	0.93	2.0	8	.....	.....	.....	.....	Jas. T Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	1.46	−2.26	0.41	3.0	7	.....	.....	.....	.....	R. J Howard.
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	2.41	−0.26	0.64	.....	11	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	39.8	.....	65	4	6	16	30	2 70	.....	1.20	4.0	6	14	0	16	s.	James S. Allen.
Maysville, Dam 33	Mason	524	42	45.7	+ 0.5	79	4	14	16	40	4.58	+1.54	1.21	5.0	13	8	10	12	sw.	Lockmaster.
Middlesboro	Bell	1128	41	47.0	+ 0.7	76	4	14	16	40	2.57	−0.95	1.03	0	5	12	12	5	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	46.0	+ 1.8	75	4	14	16	34	3.18	−0.35	1.40	1.1	10	9	6	15	nw.	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	3.2w	.....	1.65	1.6	6	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	3.19	+0.28	0.85	1.5	13	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	2.48	.....	0 76	3.2	11	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	636	4	46.3	.....	79	4	21	16	44	1.59	−1.37	0.43	T.	10	7	11	12	s.	U. S Weather Bureau.
Pippapass	Knott	1035	4	48.0	.....	80	4	15	16	47	3.52	.....	0.52	0.3	8	11	8	11	w.	Caney Run Com. Cen.
Quicksand	Breathitt	732	14	.....	.....	.....	.....	15	16	.....	2.46	−1.41	0.96	1.5	5	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	2.46	−0.26	1.03	0	10	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	43	46.9	+ 0.3	76	3	16	16	32	2.68	−0.61	0.70	1.0	11	14	5	11	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	27	.....	.....	.....	.....	.....	.....	.....	2.67	−0.79	0.65	0.5	13	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	3.74	+0.86	0.90	4.0	12	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	43	48.0	+ 0.4	75	4†	16	16	45	2.38	−0.97	1.22	0.9	11	14	4	12	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	2.51	−0.87	0.82	1.0	8	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	3	45.2	.....	75	3	14	16	31	3.09	.....	1.44	1.5	10	6	12	12	.....	Airway Station.
State averages and extremes		.....	.....	45 8	− 0.6	80	3†	6	16	47	3.70	+0 30	2.18	0.9	11	12	5	13	.....	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, [a], [b], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Errata.—September 1940: Shelbyville, mean temperature page 34, should be 65.2 and mean maximum, page 36, 80.0.

Daily Precipitation for November, 1940.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.	....	....	....	....	.78	....	....	....	....	.08	.77	....	....	....	....	....	....	....	....	....	.17	.07	.57	.08	....	.37	....	....	....	T.	....	2.89
Calhoun G.	.85	....	....	....	.75	....	....	....	....	T.	1.25	....	....	....	....	....	....	....	....	....	.16	....	.91	....	....	.39	....	....	....	.13	....	1.47
Carlington G.	.57	....	....	....	.85	....	....	....	....	.13	1.15	....	....	....	....	....	....	....	....	....	.09	.14	1.18	....	....	.88	.05	....	....	.02	....	4.56
Fords Ferry Dam 50[3] O.	1.10	.02	....	....	.85	.01	....	....	....	.06	1.42	.01	....	....	....	....	....	....	....	....	T.	.20	.60	.35	.02	.28	.22	....	....	....	....	5.14
Gilbertsville[3] T.	.79	....	....	....	.66	.04	....	....	....	.07	1.36	.01	....	....	....	....	....	....	....	....	....	.27	1.01	.20	T.	.38	.11	....	....	....	....	4.50
Greenville G.	.45	....	....	....	.60	....	....	....	....	.09	.92	....	....	....	....	....	....	....	....	....	T.	.20	.80	.05	....	.33	.05	....	....	.05	....	5.52
Hartford G.	.40	....	....	....	.80	....	....	....	T.	.10	.80	....	....	....	T.	....	....	....	....	....	T.	.27	1.05	.07	....	.39	.68	....	....	.03	....	5.59
Henderson O.	1.17	....	....	....	.93	....	....	....	....	.10	1.53	....	....	....	....	....	....	....	....	....	.15	....	.85	.03	....	.53	....	....	....	....	....	5.29
Hopkinsville[3] C.	.45	....	....	....	.35	.45	....	....	....	.30	.60	....	....	....	....	....	....	....	....	....	....	.35	.85	.12	....	.26	....	....	....	.09	....	3.82
Lovelaceville M.	....	....	....	....	.36	....	....	....	....	.80	2.06	....	....	....	....	....	....	....	....	....	.26	.50	1.03	....	....	.46	....	....	....	....	....	5.40
Mayfield M.	.38	....	....	....	.73	....	....	....	T.	.13	.92	....	....	....	....	....	....	....	....	....	.18	.01	1.40	....	T.	.46	....	....	....	.06	....	4.27
Murray T.	....	....	....	....	.94	....	....	....	....	.09	....	....	....	....	....	....	....	....	....	....	1.20	....	.44	....	....	.58	....	....	....	.05	....	3.30
Owensboro O.	.80	....	....	....	.70	....	....	....	T.	.10	1.90	....	....	....	T.	....	....	....	....	....	.06	.08	.84	.03	....	.86	.03	....	....	T.	....	4.90
Owensboro, Dam 46[3] O.	.96	T.	....	....	.62	.04	....	....	....	.06	.77	1.17	....	....	....	....	....	....	....	....	....	.17	.26	.59	T.	.16	.30	....	....	....	....	5.10
Paducah[3] O.	.50	....	....	....	.64	T.	....	....	....	.14	2.18	....	....	....	....	....	....	....	....	....	....	.22	.90	.14	.03	.31	.12	....	....	T.	....	5.18
Princeton G.	.69	....	....	....	.63	....	....	....	....	.10	1.29	....	....	....	....	....	....	....	....	....	.09	.08	1.28	.06	....	.39	.04	....	....	.02	....	4.67
Rumsey, Lock No. 2[3] G.	.80	.01	....	....	.74	.02	....	....	....	.08	.60	.65	....	....	....	....	....	....	....	....	....	.24	.35	.60	....	.15	.08	....	....	.01	....	4.33
Russellville[3] G.	....	1.08	....	....	.72	....	....	....	....	.03	1.21	.30	....	....	....	....	....	....	....	....	....	1.04	.12	.39	....	.20	....	....	....	.19	....	5.28
Uniontown, Dam 49[3] O.	1.12	....	....	....	.86	....	....	....	....	.09	.97	.21	....	....	....	....	....	....	....	....	....	.26	.59	.53	T.	.32	.13	T.	....	....	....	5.08
Central Division																																
Addison, Dam 45. [3] O.	.55	.02	....	....	.40	.15	....	....	....	.05	.40	.52	....	....	T.	....	....	....	....	....	....	.15	.02	.42	....	.04	.48	....	....	T.	....	3.20
Anchorage O.	.84	....	....	....	.63	....	....	....	....	.08	.83	....	....	....	T.	....	....	....	....	....	T.	.14	1.33	T.	....	.96	T.	....	....	.11	....	4.91
Bowling Green C.	1.25	....	....	....	.97	....	....	....	....	.13	.97	....	....	....	....	....	....	....	....	....	....	1.89	....	.37	....	.17	.02	....	....	.10	....	5.87
Bowling Green No. 2[3] G.	1.19	T.	....	....	.93	.07	....	....	....	.12	.78	.03	....	....	....	....	....	....	....	....	....	1.24	.05	.26	....	.46	T.	....	....	....	....	5.13
Brownsville, Lock No. 6[3] O.	1.50	.08	....	.92	.18	T.	....	....	....	.11	.85	.43	....	....	....	....	....	....	....	....	....	.59	.52	.23	.22	.16	....	....	....	....	....	5.73
Burnside[3] C.	.10	.70	....	....	.30	....	....	....	....	.02	.40	.20	....	....	.06	....	....	....	....	....	....	.29	.15	.30	.10	.10	.38	....	....	....	....	5.10
Carrollton Lock No. 1[3] K.	.80	.05	....	....	.35	.08	....	....	.08	....	.68	.18	....	....	....	....	....	....	....	....	....	.04	.05	.28	....	.21	.57	....	....	....	....	3.37
Clermont S.	1.07	....	....	....	.92	....	....	....	....	.03	1.08	....	....	....	....	....	....	....	....	....	.43	....	.21	.04	....	.70	....	....	....	.09	....	4.57
Cold Spring, Dam 36[3] O.	.48	.32	....	....	.11	.15	....	....	....	.10	.38	.31	....	....	.07	.07	....	....	....	....	....	.06	....	.58	....	.03	1.19	.02	....	....	....	3.87
Danville[3] K.	.74	.60	....	....	.14	.42	....	....	....	.04	.16	.33	....	....	.05	T.	....	....	....	....	....	.11	T.	.42	.02	.15	.26	T.	....	....	....	3.44
Dix Dam, Burgin K.	.51	....	....	.18	.35	....	....	....	....	.50	.21	....	....	.04	....	....	....	....	....	....	.17	....	.30	....	.23	.27	....	....	....	....	....	2.56
Eadsville[3]	.04	.60	....	....	....	.42	....	....	....	.03	.20	.25	....	....	....	....	....	....	....	....	....	....	.14	.08	.40	.03	.13	.35	....	....	....	2.67
Eubank C.	....	.38	....	....	....	.52	....	....	....	....	.45	....	....	.02	....	....	....	....	....	....	....	.29	.11	.21	....	....	....	....	....	....	....	1.98
Frankfort, Lock No. 4[3] K.	1.02	.39	....	....	.26	.36	....	....	....	.06	.48	.38	....	....	T.	T.	....	....	....	....	....	.26	T.	.20	....	.20	.40	....	....	....	....	4.01
Gest, Lock No. 8[3] K.	1.01	.15	....	....	.51	.06	....	....	....	.07	.52	.10	....	....	T.	....	....	....	....	....	....	.23	T.	.26	....	.25	.42	....	....	....	....	3.57
Glasgow G.	1.48	.21	....	....	.39	.51	....	....	....	.05	.53	.75	....	....	....	....	....	....	....	....	....	.61	.02	.41	.01	.14	.26	....	....	....	....	5.37
Grant, Dam 33[3] O.	.55	.15	....	....	.26	T.	....	....	....	.15	.40	T.	....	....	T.	T.	....	....	....	....	....	.38	....	.60	....	.05	.96	....	....	T.	....	3.46
Greensburg[3] G.	1.97	....	....	....	.87	....	....	....	....	.09	.75	....	....	....	....	....	....	....	....	....	....	.36	.15	.36	....	.56	.02	....	....	.09	....	5.22
High Bridge, Lock No. 7[3] K.	.69	.62	....	....	.05	.45	....	....	....	.05	.20	.21	....	....	.03	....	....	....	....	....	....	.05	....	.29	.02	.21	.32	....	....	....	....	3.19
Irvington O.	.71	....	....	....	.61	....	....	....	....	.21	.99	....	....	....	....	....	....	....	....	....	T.	.27	.56	.02	....	.47	.01	....	....	.05	....	3.90
LaGrange O.	.91	....	....	....	.83	....	....	....	....	.10	1.09	....	....	....	T.	....	....	....	....	....	T.	.29	.17	.05	....	1.03	.03	....	....	.06	....	4.56
Lancaster[2] K.	.85	....	....	....	.39	....	....	....	.04	.38	.20	....	....	.08	....	....	....	....	....	....	.15	....	.48	....	.15	.82	....	....	....	.18	....	3.22
Leitchfield[2] G.	.80	....	....	....	.88	....	....	....	....	.10	1.90	....	....	....	....	....	....	....	....	....	.46	....	.37	.06	....	.43	....	....	....	.08	....	5.08
Lexington[2] K.	1.35	....	....	....	.51	....	....	....	....	.19	.29	....	....	T.	.11	....	....	....	....	....	T.	.15	.15	.09	....	.58	.03	....	....	.13	....	3.58
Little Hickman, Lock No. 8[2†] K.	.82	.54	....	....	.10	.38	....	....	....	.06	.08	.38	....	....	.10	....	....	....	....	....	....	.15	....	.43	....	.15	.32	....	....	....	....	3.51
Lockport, Lock No. 2[3] K.	.98	.08	....	....	.51	T.	....	....	....	.08	.62	.18	....	....	....	.03	....	....	....	....	....	.16	.06	.28	....	.37	.43	....	....	T.	....	3.73
LOUISVILLE[1†] O.	.71	....	T.	....	.65	....	....	....	....	.51	.64	....	....	....	T.	....	....	....	....	....	.15	.02	.37	.01	.01	.89	T.	....	....	.05	....	3.88
Do. Bowman Field O.	.87	....	T.	....	.66	....	....	....	.02	.48	.61	....	....	....	T.	....	....	....	....	....	.17	.01	.30	.01	.01	.85	T.	T.	....	.08	....	4.07
Mammoth Cave[2] G.	1.49	.06	....	....	1.03	.12	....	....	....	.12	.88	.33	....	....	....	....	....	....	....	....	....	.87	.08	.27	.01	.22	.24	....	....	.01	....	5.73
Monticello[2] C.	.60	....	....	....	....	.04	....	....	....	.08	.19	.30	....	....	....	....	....	....	....	....	....	....	.16	.80	....	....	.36	....	....	....	....	....	1.97
Morgantown[3] G.	1.51	.21	....	.71	.34	....	....	....	....	.09	.63	.27	....	....	....	....	....	....	....	....	....	.55	.04	.36	....	.14	.35	....	....	T.	....	5.20
St. John S.	.94	.01	....	....	.75	....	....	....	....	.09	.15	....	....	....	....	....	....	....	....	....	....	.44	.23	.08	....	.63	.06	....	....	.10	....	4.48
Salvisa, Lock No 6[2†] K.	1.21	.45	....	....	.24	.42	....	....	....	.03	.34	.44	....	....	.04	....	....	....	....	....	....	.26	.01	.26	....	.27	.52	....	....	....	....	4.49
Shelbyville S.	1.06	....	....	....	.74	....	....	....	....	.12	.86	....	....	....	T.	....	....	....	....	....	....	.22	.19	.12	....	.70	....	.02	....	.08	....	4.11
Smith's Grove G.	.13	....	....	....	1.08	....	....	....	.01	.46	.75	....	....	T.	T.	....	....	....	....	....	.25	.62	.13	.17	.04	.32	T.	....	....	.11	....	4.07
Stearns C.	.39	....	....	....	.16	....	....	....	....	.19	.26	....	....	T.	.01	....	....	....	....	....	....	.05	.01	.30	.01	.27	T.	....	.03	....	....	1.68
Taylorsville S.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tyrone, Lock No. 5[2†] K.	1.40	.50	....	....	.25	.35	....	....	....	.06	.25	.38	....	....	.02	....	....	....	....	....	....	.25	T.	.16	T.	.23	.44	....	....	....	....	4.29
Williamstown L.	1.20	....	....	....	.80	....	....	....	....	.10	.68	....	....	....	.12	....	....	....	....	....	....	.11	.17	.10	....	.62	.02	....	....	.04	....	4.16
Woodbury, Lock No. 4[2] K.	.84	.08	....	....	.83	.11	....	....	....	.09	.90	1.03	....	....	....	....	....	....	....	....	....	.29	.18	.27	.01	.16	.24	....	....	....	....	5.03
Eastern Division																																
Annville C.	.70	....	....	....	.10	....	....	....	....	.18	.20	....	....	....	.08	....	....	....	....	....	....	.17	.03	.38	....	.47	.07	....	....	.04	....	2.42
Ashland[2] O.	.31	1.18	....	....	....	.05	....	....	....	T.	.46	.05	....	....	03	.11	....	....	....	....	....	.02	.04	.26	.02	.04	.80	....	....	T.	....	3.37
Berea K.	1.80	....	....	....	.25	....	....	....	....	.18	.31	....	....	....	.23	....	....	....	....	....	....	.16	.02	.58	....	.50	.04	....	....	T.	....	3.57
College Hill, Lock No. 11[2] K.	.41	.66	....	....	....	.19	....	....	....	.05	.20	.09	....	....	.07	....	....	....	....	....	....	.08	T.	.31	.04	.08	.42	....	....	....	....	2.60
Cyntbiana[2] L.	....	.92	....	....	....	.58	....	....	....	.02	.98	.26	....	....	.10	....	....	....	....	....	....	.58	T.	.35	....	....	.82	....	....	....	....	3.91
Falmouth[2] L.	.99	.37	....	....	.39	.39	....	....	....	.05	.31	.30	....	....	.12	.05	....	....	T.	....	....	.16	....	.20	....	.20	.71	....	....	....	....	4.24
Farmers[2] L.	.36	.66	....	....	....	.14	....	....	....	.19	T.	....	....	....	.26	.02	....	....	....	....	....	.05	....	.21	.01	.09	.54	....	....	....	....	2.53
Flemingsburg[2] K.	1.09	.60	.11	....	....	.25	....	....	....	....	.37	.05	....	....	.45	.10	....	....	....	....	....	....	.04	.40	.13	.70	....	....	....	....	....	4.29
Ford, Lock No. 10[2†] K.	.84	.65	....	....	T.	.34	....	....	....	....	.34	.17	....	....	.06	T.	....	....	....	....	....	.12	T.	.25	.01	.10	.45	T.	....	....	....	3.33
Grayson[2] O.	.40	.30	....	....	....	.50	....	....	....	....	.30	....	....	....	.10	.10	....	....	....	....	....	....	....	.20	....	.10	.90	....	....	....	....	2.90
Greenup, Dam 30[2] O.	.42	.91	....	....	....	.20	....	....	T.	.22	.09	....	....	....	.04	.10	....	....	....	....	....	.01	.05	.42	.05	....	.95	....	....	T.	....	3.30
Hazard[2] K.	.05	.45	....	....	....	.12	....	....	....	....	.18	.13	....	....	.15	.03	....	....	....	....	....	....	.05	....	.46	.03	.35	.05	....	....	....	2.05
Heidelberg, Lock No. 14[2] K.	....	.80	....	....	....	....	....	....	.02	.19	.05	....	....	....	.27	.01	....	....	....	....	....	....	.18	.17	.10	.14	.41	....	....	T.	....	2.34
Jackson[2] C.	T.	.93	....	....	T.	.12	....	....	....	....	.28	....	....	....	.20	....	.08	....	....	....	....	T.	.45	....	.25	T.	.44	....	....	....	....	2.75
Jenkins[2] B.	.28	....	....	....	....	.09	....	....	....	....	.22	....	....	....	.11	.05	....	....	....	....	....	....	....	....	.41	....	.30	....	....	....	....	1.46
Louisa[2] B.	.10	.64	....	....	....	.07	....	....	....	....	.36	.10	....	....	.15	.16	....	....	....	....	....	....	.05	.25	.08	....	.48	....	....	....	....	4.44
Lynch [near] C.	1.20	....	....	....	.20	....	....	....	....	....	....	....	....	....	.20	.20	....	T.	....	....	....	T.	....	.25	....	.65	....	....	....	....	....	2.70
Maysville, Dam 33[2] O.	1.21	.88	....	....	.06	.40	....	....	....	.02	.46	.11	....	....	.13	.09	....	....	....	....	....	.08	....	.33	T.	.08	.73	T.	....	....	....	4.58
Middlesboro C.	1.03	....	....	....	.16	....	....	....	....	....	....	....	.79	....	....	....	....	....	....	....	....	....	....	.21	....	.38	....	....	....	....	....	2.57
Mount Sterling L.	1.40	....	....	....	.28	....	....	....	....	.10	.18	....	....	T.	.16	....	....	....	....	....	....	.21	....	.13	....	.58	.03	....	....	.11	....	3.18
Oneida[2†] K.	1.65	....	....	....	....	....	....	....	....	....	....	.35	....	....	.15	....	....	....	....	....	....	.23	....	.35	....	....	.58	....	....	....	....	3.29
Oneonta Dam 35[2] O.	.45	.33	....	....	.08	.27	....	....	....	.05	.29	.24	....	....	.04	.02	....	....	....	....	....	.03	....	.45	....	.03	.85	T.	T.	....	....	3.19
Palmyra[2] B.	.05	.76	....	....	....	.09	....	....	....	....	.24	.05	....	....	.05	.06	....	....	....	....	....	....	T.	.26	.14	....	.73	.05	....	....	....	2.48
Pikeville K.	.31	.65	....	....	.10	....	....	....	....	.04	.12	....	....	.05	.07	T.	....	....	....	....	....	.01	T.	.42	T.	.43	.02	T.	....	....	....	1.59
Pippapass K.	.52	.04	....	....	.20	.15	....	....	....	T.	....	T.	....	....	....	.03	....	....	....	....	....	....	....	.35	....	.34	.17	....	....	....	....	1.80
Quicksand[2] K.	.16	.96	....	....	....	....	....	....	....	....	.15	....	....	....	.15	....	....	....	....	....	....	....	....	.74	....	....	....	....	....	....	....	2.16
Ravenna, Lock No. 12[2] K.	.16	1.03	....	....	....	.11	....	....	....	.06	.07	.05	....	....	.08	T.	....	....	....	....	....	T.	.09	.47	T.	T.	.34	....	....	....	....	2.46
Richmond[2] K.	.70	.30	....	....	.03	.25	....	....	....	.05	.20	....	....	....	.15	....	....	....	....	....	....	.15	....	.30	....	.20	.35	....	....	.02	....	2.68
Valley View, Lock No. 9[2] K.	....	.11	....	....	.02	.32	....	....	....	.06	.25	.26	....	....	.03	....	....	....	....	....	....	.18	T.	.25	.02	.22	.30	....	....	....	....	2.67
Vanceburg, Dam No. 32[2] O.	.90	.67	....	....	.04	.28	....	....	....	T.	.32	....	....	....	.12	.09	....	....	....	....	....	.05	....	.31	T.	.05	.89	....	....	.02	....	3.74
Williamsburg[2] C.	....	1.22	....	....	....	.12	....	....	....	.03	.09	.13	....	....	....	....	....	....	....	....	....	.04	.06	.04	.25	....	.29	....	....	....	....	2.88
Willow, Lock No. 13[2] K.	....	.82	....	....	....	.31	....	....	....	....	.29	....	....	....	.16	....	....	....	....	....	....	.11	.44	.04	....	.34	....	....	....	....	....	2.51
Winchester K.	1.44	....	....	....	.31	....	....	....	....	.11	.12	....	....	.01	.07	....	....	....	....	....	....	.18	.12	.18	....	.60	T.	....	....	....	....	3.09

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.: Lock 6, Versailles, Ky.: Lock 8, Nicholasville Ky.: Lock 10, Red House Ky.: Oneonta, California, Ky.
River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for November, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	..	74	79	76	67	52	53	49	56	58	67	46	40	32	34	44	57	59	68	66	69	68	60	59	48	56	48	41	56	52	..	*56.3
	Minimum	..	35	38	45	49	39	25	25	29	46	42	25	23	18	16	14	29	20	30	46	48	63	50	42	35	39	31	25	31	35	..	*38.8
Calhoun	Maximum	69	74	80	76	67	58	54	54	55	64	67	66	46	34	34	44	58	61	68	67	69	69	69	69	60	49	55	..	50	56	54	*59.5
	Minimum	55	35	38	36	44	49	40	27	26	29	27	26	24	15	16	16	30	21	30	45	46	48	51	42	34	39	..	24	34	37	..	*33.6
Earlington	Maximum	65	75	81	76	63	53	55	56	55	59	65	48	40	35	34	45	61	64	70	69	72	71	62	59	47	54	48	43	58	55	..	57.9
	Minimum	57	35	41	46	43	40	28	26	29	48	45	27	26	15	17	15	30	21	30	46	54	55	43	36	42	33	22	36	36	..	..	35.2
Greenville	Maximum	63	75	80	77	69	50	54	54	55	59	66	45	36	32	31	43	60	61	68	66	70	70	62	60	48	55	46	41	59	54	..	56.9
	Minimum	56	35	44	45	48	39	23	24	26	46	27	25	23	13	11	13	26	20	31	46	48	51	51	41	33	39	30	19	32	35	..	33.2
Henderson	Maximum	68	78	79	73	67	51	48	57	54	58	66	45	35	32	35	44	60	61	68	68	67	66	62	61	49	54	42	41	58	55	..	56.6
	Minimum	51	41	45	48	49	38	28	26	38	46	34	26	24	15	16	17	31	23	36	47	50	49	49	40	31	39	31	22	36	41	..	35.4
Hopkinsville	Maximum	64	74	79	77	65	53	56	53	60	64	65	48	40	32	35	45	59	63	68	69	70	72	65	60	50	56	50	44	42	58	50	..	57.4
	Minimum	49	34	38	42	49	45	28	26	34	46	53	23	24	15	13	13	23	24	34	40	46	48	55	45	35	38	34	20	32	35	..	34.8
Lovelaceville	Maximum	70	77	80	77	67	55	58	60	58	60	57	45	45	36	33	47	64	66	69	67	69	68	66	56	48	55	47	48	60	58	..	58.9
	Minimum	54	40	37	45	53	38	26	24	30	46	45	24	24	15	14	16	23	24	36	45	48	57	55	43	37	43	33	29	32	38	..	34.7
Mayfield	Maximum	66	76	79	76	68	53	56	59	52	59	67	45	40	32	32	45	62	64	68	66	69	78	64	62	46	55	46	43	57	54	..	57.8
	Minimum	56	42	44	50	53	36	32	31	36	45	43	26	25	15	14	17	29	31	43	49	49	59	58	44	38	41	32	28	34	41	..	37.9
Murray	Maximum	65	79	76	75	67	52	54	55	52	58	66	45	38	32	33	45	57	59	68	65	70	73	65	63	46	56	45	40	55	54	..	56.9
	Minimum	48	43	40	46	52	32	31	32	35	45	42	27	25	16	18	19	30	35	38	47	48	61	59	40	38	42	29	22	36	41	..	37.2
Owensboro	Maximum	64	72	77	77	63	55	53	52	54	58	54	46	34	29	28	39	54	60	66	67	67	64	66	52	47	57	41	40	54	54	..	54.8
	Minimum	42	35	40	45	50	39	37	28	31	44	44	26	22	15	17	15	27	23	33	41	44	47	49	42	32	37	29	28	33	34	..	34.1
Paducah (near)	Maximum	66	78	77	79	69	52	55	59	60	60	66	45	40	32	31	44	61	61	67	65	68	65	63	45	48	62	42	42	67	55	..	56.8
	Minimum	56	40	45	51	51	39	33	31	35	47	42	29	27	19	17	20	32	27	39	50	48	56	55	36	37	41	35	25	36	48	..	38.2
Princeton	Maximum	65	75	79	75	67	56	51	58	53	59	60	45	36	33	33	44	64	63	67	65	69	73	62	46	48	54	48	42	57	53	..	56.7
	Minimum	57	38	48	50	53	37	29	29	35	48	43	25	24	15	14	16	28	25	38	47	54	59	56	42	36	43	33	27	40	56	..	37.3
Russellville§§	Maximum	76	78	78	74	69	53	52	54	56	62	66	47	40	29	30	42	58	59	65	65	69	70	69	57	54	55	37	40	56	56	..	56.7
	Minimum	..	46	42	44	52	39	26	35	27	31	47	25	24	13	17	13	18	21	26	41	44	54	53	46	35	35	33	20	32	33	..	*33.6
Central Division.																																	
Anchorage	Maximum	60	70	76	76	65	55	52	50	51	57	67	52	41	35	28	40	55	58	64	67	68	65	57	51	46	52	41	37	50	49	..	54.5
	Minimum	54	36	37	42	40	36	22	22	25	46	44	26	24	17	20	14	23	28	33	41	44	47	45	39	32	35	29	23	36	35	..	33.1
Bowling Green	Maximum	64	71	77	75	65	55	52	54	57	58	67	52	44	38	32	42	58	60	65	66	69	69	63	59	47	58	48	41	56	50	..	57.0
	Minimum	52	41	44	44	51	42	30	28	30	48	49	29	25	17	16	15	27	24	29	41	46	56	51	41	35	40	31	34	31	39	..	36.2
Clermont	Maximum	68	71	76	77	70	54	51	52	55	69	69	49	43	36	39	41	57	64	68	70	70	69	69	51	52	60	57	42	54	51	..	58.8
	Minimum	52	30	32	34	52	41	17	16	18	36	23	36	14	12	14	26	26	27	41	47	49	50	55	48	43	45	35	36	38	40	..	38.2
Danville	Maximum	66	69	77	75	65	55	48	48	56	64	67	59	42	36	32	38	65	58	65	67	73	67	60	60	47	56	52	40	56	54	..	56.9
	Minimum	51	40	43	43	53	41	26	26	24	45	54	27	24	17	17	12	31	23	29	44	48	56	44	41	34	35	30	27	26	35	..	34.7
Dix Dam	Maximum	67	66	75	75	69	60	49	49	56	61	67	63	45	40	34	39	54	60	65	68	70	73	63	58	48	56	54	40	58	52	..	57.7
	Minimum	53	44	42	44	55	43	27	27	27	43	48	31	27	21	20	17	31	26	28	46	44	58	49	42	36	37	33	29	31	35	..	36.6
Eubank	Maximum	65	78	76	70	68	59	50	58	55	59	64	57	50	40	35	35	55	61	65	65	72	63	59	62	52	56	50	45	55	53	..	57.6
	Minimum	54	35	38	48	50	50	23	24	25	31	40	26	27	18	18	13	29	21	26	35	41	44	41	43	33	38	28	26	35	34	..	33.1
Frankfort	Maximum	65	71	78	77	65	51	54	55	54	59	68	57	45	40	31	39	56	60	66	67	70	69	60	54	47	54	49	39	54	50	..	56.7
	Minimum	51	40	37	38	51	43	26	24	24	45	54	30	25	18	21	17	31	21	23	39	40	56	45	40	34	33	30	25	32	33	..	34.2
Glasgow	Maximum	71	71	78	78	75	64	52	62	59	59	65	65	49	41	34	41	54	62	66	65	70	70	66	63	48	55	55	42	55	55	..	59.3
	Minimum	56	36	41	43	53	44	27	24	28	48	56	26	28	20	18	17	30	21	24	38	47	57	49	47	37	40	35	21	29	33	..	36.1
Greensburg	Maximum	67	65	66	76	69	55	47	50	58	61	67	57	44	38	31	37	56	60	66	67	73	68	63	59	49	56	53	41	56	57	..	57.1
	Minimum	28	34	36	36	51	40	22	21	24	46	54	28	25	17	17	12	28	18	22	34	42	54	45	42	33	37	30	26	26	32	..	32.2
Irvington	Maximum	67	72	72	72	66	50	50	50	56	60	65	46	40	33	34	41	52	58	64	66	70	67	66	58	46	55	43	40	51	51	..	55.2
	Minimum	53	41	41	47	46	35	25	25	27	45	41	26	24	14	17	15	27	22	34	45	47	51	47	38	31	35	29	24	33	37	..	34.0
Leitchfield	Maximum	63	73	80	76	61	53	52	53	58	57	66	48	43	35	33	48	58	63	67	67	68	68	69	49	47	51	50	43	57	49	..	56.4
	Minimum	55	40	43	44	51	40	29	27	31	46	50	26	25	16	17	14	30	26	35	46	46	56	50	40	34	37	33	24	30	37	..	35.9
Lexington	Maximum	61	68	76	75	59	51	49	49	52	59	66	50	43	37	27	36	53	60	63	66	70	67	57	57	47	53	48	40	52	49	..	54.3
	Minimum	49	41	42	48	48	33	26	27	30	47	37	29	24	20	20	16	31	26	35	45	48	47	47	37	36	34	27	26	33	38	..	34.7
Louisville	Maximum	62	71	76	75	66	60	50	56	56	58	68	46	39	33	30	41	55	58	64	65	70	66	56	57	47	52	36	38	51	54	..	54.7
	Minimum	51	47	48	53	47	39	35	36	36	49	39	32	25	19	23	21	34	32	38	52	53	52	49	40	34	35	31	25	38	43	..	38.5
Do. Bowman Field	Maximum	61	71	76	76	66	49	49	48	54	58	67	45	39	33	30	40	55	58	65	65	69	68	55	55	46	52	36	37	51	53	..	54.2
	Minimum	48	42	43	48	46	33	28	27	32	48	38	29	24	18	21	18	29	25	32	48	48	48	48	39	32	35	30	25	37	38	..	35.3
Mammoth Cave	Maximum	63	71	78	76	62	52	51	52	58	62	66	42	34	30	32	40	56	61	67	67	71	68	61	58	50	57	35	40	57	50	..	55.7
	Minimum	35	38	41	49	52	41	23	23	24	31	48	28	24	16	15	13	18	20	24	43	46	55	48	50	33	34	33	26	26	35	..	32.9
St. John	Maximum	68	71	79	75	69	54	50	54	55	57	66	51	41	36	30	40	56	58	65	65	69	67	63	63	47	57	48	40	55	50	..	56.6
	Minimum	55	35	38	40	52	40	26	26	27	46	50	25	25	15	16	15	30	21	30	45	43	52	50	39	33	35	30	24	30	35	..	34.3
Shelbyville	Maximum	62	69	75	76	65	56	48	56	52	56	66	52	41	34	29	39	54	58	63	66	68	66	59	56	48	58	48	37	51	48	..	55.0
	Minimum	49	37	38	42	47	39	27	25	24	44	60	25	22	16	18	18	21	21	30	41	42	52	44	37	30	32	28	20	28	32	..	32.6
Smith's Grove	Maximum	64	72	75	75	64	53	53	54	57	60	66	50	45	34	31	40	56	62	67	66	70	66	60	57	48	58	36	41	55	50	..	56.2
	Minimum	47	41	43	47	45	34	30	29	31	50	35	29	24	18	17	16	28	23	34	41	50	53	52	40	37	36	28	26	36	39	..	35.3
Stearns	Maximum	64	69	76	74	63	52	50	52	58	62	65	51	47	37	27	40	55	61	63	65	69	66	64	58	45	53	44	41	57	59	..	56.2
	Minimum	54	42	42	44	42	33	26	26	27	46	41	32	27	19	17	13	26	26	33	46	51	53	47	40	34	40	30	25	31	34	..	34.9
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	64	70	76	78	70	63	54	58	52	54	69	68	60	52	47	35	50	58	66	67	70	70	58	56	43	46	47	39	51	49	..	57.5
	Minimum	50	40	44	52	52	41	27	27	27	42	52	28	24	18	21	14	29	30	32	47	46	53	45	38	31	31	29	21	30	34	..	35.2
Eastern Division.																																	
Annville	Maximum	64	68	75	76	62	57	50	52	58	60	68	62	48	37	32	38	54	59	64	65	72	65	61	57	45	54	53	39	54	59	..	66.9
	Minimum	52	37	33	32	47	33	20	18	18	44	52	25	26	20	19	10	22	17	19	30	38	52	42	51	33	36	29	25	22	27	..	31.0
Ashland	Maximum	66	70	76	78	65	60	46	48	57	58	72	70	49	42	34	36	52	56	65	70	72	69	63	53	48	48	48	40	56	51	..	57.1
	Minimum	48	49	37	40	52	46	34	31	25	44	53	36	34	29	24	13	29	24	26	37	40	56	42	40	37	33	35	28	29	30	..	36.0
Berea	Maximum	70	69	76	76	70	60	47	47	53	62	66	52	42	38	33	36	58	59	65	65	71	65	63	60	46	55	51	53	54	56	..	57.3
	Minimum	52	43	47	54	54	40	25	24	25	46	29	32	25	20	19	14	27	28	34	50	48	56	48	43	33	33	32	26	35	39	..	36.0
Farmers	Maximum	60	65	74	72	59	46	45	46	53	58	68	46	42	34	28	37	47	55	60	63	69	69	64	57	42	52	35	36	49	54	..	52.7
	Minimum	61	38	35	35	51	42	24	20	20	42	54	27	21	21	22	19	30	20	28	35	41	57	45	43	36	33	33	27	26	29	..	33.3
Heidelberg	Maximum	63	70	80	77	58	60	51	53	58	55	70	67	51	41	34	40	57	58	66	66	73	66	59	55	47	55	55	41	56	61	..	58.6
	Minimum	52	41	36	35	48	44	25	22	21	44	58	29	26	26	24	18	25	20	21	32	38	56	47	46	37	37	35	29	25	30	..	33.5
Lynch [near]	Maximum	60	60	64	65	64	52	39	50	53	51	58	68	50	39	25	24	48	49	55	56	59	53	56	57	48	48	41	27	34	21	13	18	32	45.9
	Minimum	38	36	35	36	36	27	23	21	41	36	44	29	20	10	6	17	25	33	35	39	38	43	41	41	27	34	21	13	18	32	..	29.6
Maysville	Maximum	64	69	75	79	64	58	49	49	54	56	66	66	43	39	34	35	51	57	66	67	70	73	56	58	45	48	51	39	51	54	..	56.1
	Minimum	50	43	38	40	55	44	29	29	26	44	58	31	26	23	24	14	29	24	26	40	46	55	42	40	34	33	33	27	30	30	..	35 3
Middlesboro	Maximum	70	70	70	76	69	60	52	54	58	70	65	64	54	50	42	45	57	59	60	61	67	70	65	60	53	52	44	54	58	54	..	59.9
	Minimum	47	49	38	36	48	43	25	25	22	43	52	34	28	28	22	14	21	9	21	32	39	55	47	54	42	46	33	27	42	25	..	34.2
Mount Sterling	Maximum	62	67	74	75	63	58	49	49	56	60	68	50	56	39	30	37	53	59	64	67	71	68	60	58	54	58	52	58	59	62	56	57.5
	Minimum	50	48	40	46	48	40	28	26	31	50	56	39	30	22	14	28	26	29	30	37	53	50	64	47	41	45	42	40	36	34	29	21	31	34.5
Pikeville	Maximum	48	42	36	35	45	41	31	27	28	46	37	29	27	22	25	21	26	24	24	32	35	54	51	42	36	39	32	27	29	31	..	34.2
	Minimum	77	71	78	80	69	62	54	54	62	66	70	67	52	46	32	41	56	63	72	67	76	70	67	61	58	59	54	42	58	55	..	61.2
Pippapass	Maximum	36	45	40	39	49	43	31	28	28	46	67	35	28	31	25	14	30	25	25	34	39	42	42	35	36	35	34	29	25	31	..	34.7
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Quicksand	Maximum	52	43	36	35	47	38	28	25	21	42	51	29	28	27	23	15	25	21	22	31	35	51	48	42	38	37	33	25	26	29	..	33.3
	Minimum	65	68	76	75	60	57	50	52	55	65	50	45	40	34	35	52	60	65	66	72	66	60	55	50	55	38	40	50	50	50	..	55.2
Richmond	Maximum	62	44	44	54	57	42	28	28	30	47	50	30	27	22	20	16	28	32	36	50	50	60	48	50	34	37	35	28	36	40	..	60.6
	Minimum	67	68	71	75	68	62	58	63	68	73	70	66	50	43	36	42	59	61	66	68	69	68	75	63	50	61	56	46	60	59	..	60.8
Williamsburg	Maximum	65	41	39	30	38	43	28	28	25	47	50	30	27	23	21	16	34	20	25	38	48	60	50	51	37	43	34	22	26	29	..	35.8
	Minimum	51	43	44	47	48	40	27	26	27	45	55	30	25	19	20	14	28	27	32	44	47	56	47	39	34	34	30	25	31	34	..	35.6
Winchester	Maximum	64	67	75	73	61	49	48	48	53	60	65	55	42	36	30	35	53	58	63	67	72	66	56	56	47	55	50	39	51	50	..	54.7
	Minimum	51	43	44	47	48	40	27	26	27	45	55	30	25	19	20	14	28	27	32	44	47	56	47	39	34	34	30	25	31	34	..	35.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville. 12-27-40-1100

Nat. Hist.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLV LOUISVILLE, KY., DECEMBER, 1940 No. 12

GENERAL SUMMARY.

The month was somewhat drier and much warmer than the average for December. The only weather that could be called severe occurred on two days near the beginning of the month, when temperatures fell as low as 10° to 15° in most districts. This cold spell interrupted briefly the slow growth of winter grains. The soil contained little excess moisture, therefore the hard freezes had no appreciable lifting effect on grains. After the 5th temperatures were almost daily above normal. Grains and bluegrass soon resumed their slow growth and continued to improve until the end of the month. Improvement was most rapid in the last week when the excess warmth was greatest. Most wheat and barley, also rye sown for pasture, were undersized at the beginning of the month. They improved to such an extent during the warm weather that a large proportion reached normal development. Considerable wheat attained a size that rendered further winter growth undesirable. Rye pasture, where not too heavily grazed, became increasingly useful. Bluegrass, alfalfa, and clover, on the warmer uplands furnished light grazing through most of the month. Freezes in the brief periods of soil saturation were generally too light to cause any injury to the grains or forage crops. Because of the mild weather and available pasturage, livestock required only light feeding and remained most of the time in the open. The effect of the moderate weather was also reflected in milk and egg production. For a week or more in the middle of the month and in a like period near the end the soil was too wet for winter plowing, but progress in the first half was fairly good, especially in the southern and western counties. Except in the short rainy intervals, the weather of the first three weeks favored corn gathering, which was completed on most farms. In the last week rain fell daily and the humidity continued too high for proper handling of tobacco, otherwise the weather favored stripping and marketing. Prevailing weather comfortable for outdoor work resulted in the bringing up to date of all farm activities.

TEMPERATURE.

In the cold period, 2d-4th, mean temperatures ranged from 5° to 20° below normal. As a rule the coldest weather occurred on the 3d or 4th, when daily averages were 15° to 20° below seasonal levels. Minima in northern sections varied between 8° and 12° and in southern districts from 12° to18°. Unseasonable warmth characterized the periods 9-13th, 15-16th, and 19-28th, when the daily temperature excess ranged from 10° to 20°. The warmest weather centered about the 12th and 24-27th. Extremes for the State were 6° on the 3d and 4th at Lynch (near) and 75° on the 24th at Williamsburg.

PRECIPITATION.

Precipitation averaged considerably less than the normal amount for this month. It was lightest and far below the average in the eastern mountain counties, where 1.0 and 2.0 inches occurred. It was also deficient in the central bluegrass region and in counties along or near the Ohio River, where amounts varied between 2.0 and 3.5 inches. Some central and western districts received 4.0 to 5.0 inches, which is generally somewhat more than the seasonal average. Most central and southern stations west of the mountains reported from 3.0 to 4.5 inches. The range for the State was between 1.04 inches at Jenkins and 5.02 at Greenville. Light to moderate rain fell generally in the periods 6-8th, 12-16th, and 25th-31st. A number of stations, widely distributed throughout the State, recorded 24-hour rainfalls of 1.0 to 2.0 inches in the period 27-29th. There were scattered showers on the 1st and from the 19th to 21st. The snowfall was limited to mere flurries, which occurred at a few eastern stations on the 3d and 29th. No thunderstorms were reported.

MISCELLANEOUS.

Rivers:—The run-off in the Ohio Basin was generally light. Stages in the Ohio River were somewhat above pool levels from the 16th to 26th and again near the end of the month. Tributary streams within the State showed no important fluctuations

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.11	30.58	3	29.50	27	8.5	29	sw.	16	85	71	..	45
Cincinnati ..... Ohio	30.13	30.60	18	29.43	29	8.2	27	sw.	16	85	67	72	35
Evansville ..... Ind.	30.11	30.58	3	29.48	28	8.9	43	w.	14	85	71	77	28
Louisville ..... Ky.	30.12	30.57	18	29.48	28	9.0	32	sw.	16	83	70	77	28

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. †Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	50.2	76	13	1.57	....	..	..	..	..
1890	37.8	70	12	3.51	....	..	..	..	..
1891	42.4	70	15	4.10	....	..	..	..	..
1892	34.6	74	— 3	4.22	....	..	..	..	..
1893	39.0	78	10	2.69	....	..	..	..	..
1894	38.7	76	—11	4.31	....	10	..	..	..
1895	38.8	77	6	4.43	....	9	7	9	15
1896	39.6	73	7	1.82	....	4	14	8	9
1897	38.0	72	3	3.75	2.5	10	5	8	18
1898	34.1	70	—12	2.74	5.7	8	14	7	10
1899	34.8	70	—15	4.26	2.6	10	12	8	11
1900	38.6	70	12	2.59	0.1	8	13	6	12
1901	32.3	72	—22	4.90	5.7	10	8	7	16
1902	36.7	72	— 3	7.36	2.4	12	7	5	19
1903	30.7	58	0	2.88	2.0	7	16	6	9
1904	36.4	72	— 2	4.30	2.4	11	10	5	16
1905	37.3	66	11	4.38	1.2	8	11	5	15
1906	39.0	76	— 9	5.64	1.6	15	6	4	21
1907	38.5	70	8	3.20	1.0	11	8	5	18
1908	39.8	74	7	2.42	0.4	9	11	6	14
1909	29.9	79	—14	3.46	3.8	9	10	5	16
1910	31.1	66	— 3	3.37	6.6	8	11	5	15
1911	41.6	74	11	6.25	0.4	12	9	4	18
1912	37.2	73	5	3.98	5.2	9	14	5	12
1913	39.5	70	11	2.73	1.6	7	10	5	16
1914	32.8	70	—16	5.22	7.7	14	6	4	21
1915	37.0	64	9	7.56	3.3	12	10	6	15
1916	35.5	74	—14	4.23	10.1	10	12	7	12
1917	26.5	72	—21	2.01	17.3	8	10	7	14
1918	44.8	75	14	4.44	0.7	12	10	6	15
1919	34.6	68	3	4.93	1.0	7	12	5	14
1920	38.6	68	4	2.89	2.0	9	9	6	16
1921	41.7	73	18	4.40	0.1	7	10	6	15
1922	41.5	77	5	5.64	0.2	12	10	6	15
1923	46.6	75	8	6.60	2.1	14	9	5	17
1924	39.9	79	— 9	5.97	1.2	9	13	5	13
1925	34.8	70	— 5	0.89	1.7	5	13	6	12
1926	37.8	75	5	6.01	0.3	12	8	5	18
1927	37.4	77	1	3.37	0.5	10	14	4	13
1928	39.5	72	5	2.32	T.	7	17	5	9
1929	39.0	76	—15	2.72	6.8	11	10	5	16
1930	35.4	69	2	2.21	2.6	8	10	7	14
1931	46.1	78	17	5.48	0.0	13	7	5	19
1932	37.9	72	— 8	4.32	1.9	12	10	6	15
1933	44.2	75	— 5	4.99	1.4	10	9	7	15
1934	37.0	69	5	2.18	1.5	9	10	6	15
1935	30.0	63	—14	2.39	9.0	9	8	7	16
1936	40.5	70	10	4.51	2.0	10	13	5	13
1937	35.5	68	0	2.94	2.0	12	7	6	18
1938	37.9	67	3	1.85	0.2	7	13	7	11
1939	38.8	72	— 2	2.32	6.6	7	13	6	12
1940	42.7	75	6	3.16	T.	11	8	7	16
Period	37.8	79	—22	3.85	3.0	10	10	6	15

†52-year averages.

Climatological Data for December, 1940.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	28	[b]42.6	+ 5.5	64[b]	24	13[b]	4	38[b]	3.75	0.00	1.05	0	9	5	6	20	sw.	Eldred G. Young.
Calhoun	McLean	437	36	[b]43.2	+ 4.2	67[b]	9†	15[b]	3	38[b]	2.76	−1.50	0.94	0	10	9	4	18	.....	R. C. Bennett.
Carlington	Hopkins	420	46	44.2	+ 5.3	66	9	16	4	38	4.70	+0.43	1.60	0	12	10	4	17	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	11	.....	.....	.....	.....	.....	.....	.....	3.23	+0.16	1.01	0	13	..	...	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	...	.....	.....	.....	.....	.....	.....	.....	3.94	.....	0.88	0	10	...	...	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	619	23	42.8	+ 3.6	67	24	12	4	41	5.02	+1.06	1.80	0	11	11	5	15	s.	C. R. Lovell.
Hartford (near)	Ohio	640	...	.....	.....	.....	.....	.....	.....	.....	3.62	.....	0.87	0	12	8	5	18	.....	W. R. Carson, Sr.
Henderson	Henderson	382	18	42.8	.....	67	24	13	3	39	3.04	−1.60	1.04	0	9	6	12	13	n.	Frank T. Street, Jr
Hopkinsville	Christian	524	44	42.8	+ 3.8	68	11	15	4	39	3.23	−1.65	1.19	0	8	14	7	10	s.	W. K. Morris.
Lovelaceville	Ballard	479	11	44.4	+ 5.2	67	9	18	4	39	3.57	−0.54	1.12	0	8	11	5	15	s.	Blaine Malone.
Mayfield	Graves	364	31	45.0	+ 4.6	67	24	19	3	32	3.46	−0.86	1.21	T.	7	8	12	11	s.	Mrs. Joe Payne.
Murray	Calloway	412	14	43.6	+ 4.4	66	11	20	3†	35	3.97	−0.72	1.32	0	6	11	5	15	n.	Ralph B. Wear.
Owensboro	Daviess	420	43	41.6	+ 4.4	62	12†	13	3	32	2.80	−0.94	0.78	0	10	12	2	17	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	12	.....	.....	.....	.....	.....	.....	.....	3.66	+0.49	1.55	0	11	...	...	.....	.....	Lockmaster.
Paducah	McCracken	341	20	44.4	+ 5.4	68	24	21	4	34	3.72	−0.47	0.90	0	10	20	7	4	.....	Joe Lagore.*
Princeton	Caldwell	529	33	43.8	+ 5.1	66	24	17	3†	37	3.97	−0.39	1.63	0	13	7	5	19	s.	S. J. Lowry.
Ramsey, Lock 2	McLean	384	23	.....	.....	.....	.....	.....	.....	.....	3.28	−0.54	1.23	0	12	...	...	.....	.....	Lockmaster.
Russellville	Logan	590	27	41.4	+ 2.6	68	11	14	4	32	3.45	−0.53	1.07	0	9	11	3	17	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	12	.....	.....	.....	.....	.....	.....	.....	2.20	−0.90	0.72	0	12	...	...	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	12	.....	.....	.....	.....	.....	.....	.....	3.27	−0.34	1.10	0	10	...	...	.....	.....	Lockmaster.
Anchorage	Jefferson	700	40	[a]40.6	+ 5.7	62[a]	24	11[a]	3	37[a]	2.96	−0.90	0.64	0	11	8	6	17	sw.	C. E. Barret.
Bowling Green	Warren	500	44	44.2	+ 5.2	65	11†	16	4	35	3.61	−1.11	0.94	0	10	11	6	14	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	23	.....	.....	.....	.....	.....	.....	.....	3.65	−1.09	0.82	0	13	...	...	.....	.....	Lockmaster.
Burnside	Pulaski	705	49	.....	.....	.....	.....	.....	.....	.....	3.74	−1.01	1.10	0	16	...	...	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	41	.....	.....	.....	.....	.....	.....	.....	2.18	−0.93	0.56	0	8	...	...	.....	.....	Lockmaster.
Clermont	Bullitt	474	2	41.1	.....	65	24	11	2	45	2.46	.....	0.75	0	7	11	5	15	sw.	George Bohlen.
Cold Spring, Dam 36	Campbell	489	14	.....	.....	.....	.....	.....	.....	.....	2.46	−0.87	0.62	0	12	...	...	.....	.....	Lockmaster.
Danville	Boyle	955	16	43.4	.....	66	11†	9	4	39	2.97	−0.87	0.67	T.	13	6	8	17	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	16	44.8	+ 4.8	63	10†	14	4	35	2.92	−0.78	0.72	0	12	6	9	16	s.	Kentucky Utilities Co.
Eadsville	Wayne	622	...	.....	.....	.....	.....	.....	.....	.....	3.98	.....	0.90	0	13	...	...	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	45	43.4	+ 6.4	66	24†	11	4	39	2.88	−1.28	0.93	0	10	5	8	18	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	44	42.4	+ 5.5	65	24	11	3	41	2.93	−0.87	0.67	0	9	7	7	17	w.	Lockmaster.
Gest, Lock 3	Henry	490	30	.....	.....	.....	.....	.....	.....	.....	2.71	−1.08	0.61	0	10	...	...	.....	.....	Lockmaster.
Glasgow	Barren	760	13	45.0	+ 0.8	68	12	18	4	38	4.43	−0.72	1.05	0	13	9	11	11	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	15	.....	.....	.....	.....	.....	.....	.....	2.14	−0.46	0.56	0	9	...	...	.....	.....	Lockmaster.
Greensburg	Green	581	47	43.2	+ 5.9	67	25	10	4	42	4.51	−0.01	1.00	0	12	3	2	26	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	38	.....	.....	.....	.....	.....	.....	.....	2.95	−1.08	0.73	0	14	...	...	.....	.....	Lockmaster.
Irvington	Breckinridge	646	42	41.1	+ 3.8	64	24	11	3	39	3.53	−0.40	1.02	0	12	6	6	19	e.	L. O. Stiles.
LaGrange	Oldham	850	...	.....	.....	.....	.....	.....	.....	.....	2.73	.....	0.59	0	11	5	8	18	sw.	J. C. Ogg.
Lancaster	Garrard	1032	14	.....	.....	.....	.....	.....	.....	.....	2.94	−0.22	0.85	0	12	...	...	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	44	43.2	+ 6.0	65	10†	9	3	38	4.72	−0.02	1.20	0	11	4	8	19	sw.	D. Lem Hughes.
Lexington	Fayette	989	56	41.2	+ 5.4	64	24	13	3	31	3.24	−0.53	0.89	0	15	8	1	22	.....	U. S. Weather Bureau
LittleHickman, Lock 8	Jessamine	560	30	.....	.....	.....	.....	.....	.....	.....	2.56	−1.12	0.80	0	10	...	...	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	30	.....	.....	.....	.....	.....	.....	.....	3.05	−0.63	0.72	0	9	...	...	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	67	42.4	+ 4.8	62	24	12	3	30	3.10	−0.64	0.76	0	10	4	8	19	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	2	40.6	.....	62	24	11	3	38	3.15	.....	0.86	T.	11	...	...	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	5	40.8	.....	68	6	9	4	45	4.45	.....	0.90	0	14	9	2	20	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	...	.....	.....	.....	.....	.....	.....	.....	3.86	.....	0.80	0	11	10	2	19	.....	E. O. Cooper
Munfordville	Hart	600	11	.....	.....	.....	.....	.....	.....	.....	4.68	+1.60	1.40	0	8	...	...	.....	.....	Chester Williams.
St. Jonn	Hardin	777	44	42.4	+ 6.6	62	10†	12	3	35	4.32	−0.20	1.11	0	15	8	11	12	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	25	.....	.....	.....	.....	.....	.....	.....	3.39	−1.01	0.93	0	13	...	...	.....	.....	Lockmaster.
Shelbyville	Shelby	825	47	41.0	+ 5.3	73	24	10	3†	47	3.42	−0.76	0.78	0	14	9	0	22	w.	Willis S. Retta.
Smith's Grove	Warren	607	2	42.8	....	68	11	16	3	33	3.41	.....	1.09	0	12	2	13	16	s.	C. W. Guernsey.
Stearns	McCreary	1400	4	42.6	.....	65	10†	12	3†	31	2.71	.....	0.91	0	14	7	6	18	sw.	Airway Station.
Taylorsville	Spencer	489	34	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	...	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	22	.....	.....	.....	.....	.....	.....	.....	3.41	−1.68	0.95	0	9	...	...	.....	.....	Lockmaster.
Williamstown	Grant	942	37	41.8	+ 7.0	63	25	10	3	31	2.66	−0.88	0.60	0	12	9	6	16	.....	Mrs. Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	23	.....	.....	.....	.....	.....	.....	.....	3.45	−0.77	0.97	0	11	...	...	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	9	41.6	.....	65	10†	8	4	46	3.88	.....	1.78	T	10	7	7	17	sw.	W. A. Worthington.
Ashland	Boyd	534	23	43.6	+ 4.9	66	26	13	4	38	2.20	−1.46	0.51	0	12	10	5	16	w.	Lockmaster.
Berea	Madison	1070	37	[b]43.8	+ 5.8	[b]65	12	13[b]	3	34[b]	3.13	−1.13	0.75	T.	9	9	4	18	sw.	Luther M. Ambros .
College Hill, Lock 11	Madison	611	30	.....	.....	.....	.....	.....	.....	.....	2.94	−1.04	0.85	0	13	...	...	.....	.....	Lockmaster.
Cynthiana	Harrison	684	22	.....	.....	.....	.....	.....	.....	.....	2.74	−1.11	0.62	0	7	...	...	.....	.....	S. M Hill
Falmouth	Pendleton	600	51	.....	.....	.....	.....	.....	.....	.....	2.61	−1.01	0.74	0	11	...	...	.....	.....	Jessie Oldham.
Farmers	Rowan	666	33	40.1	+ 3.2	61	25	9	4	36	3.38	−0.51	1.21	T.	15	6	6	19	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	15	.....	.....	.....	.....	.....	.....	.....	2.95	−0.45	0.75	0	7	...	...	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	24	.....	.....	.....	.....	.....	.....	.....	2.58	−1.14	0.72	0	13	...	...	.....	.....	Lockmaster.
Grayson	Carter	589	10	.....	.....	.....	.....	.....	.....	.....	2.74	0.00	1.05	0	8	...	...	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	20	.....	.....	.....	.....	.....	.....	.....	2.92	−0.37	0.85	0	13	...	...	.....	.....	Lockmaster.
Hazard	Perry	869	16	.....	.....	.....	.....	.....	.....	.....	2.34	−2.38	0.70	0	12	...	...	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	5	43.6	.....	67	11†	10	4	38	3.39	−0.27	1.82	0	14	10	1	20	sw.	Lockmaster.
Jackson	Breathitt	776	16	.....	.....	.....	.....	.....	.....	.....	3.23	.....	1.55	0	9	...	...	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	14	.....	.....	.....	.....	.....	.....	.....	1.01	−2.64	0.66	0	4	...	...	.....	.....	R. J Howard,
Louisa	Lawrence	584	37	.....	.....	.....	.....	.....	.....	.....	1.83	−1.81	0.36	0	12	...	...	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	0	38.2	.....	57	15	6	3†	29	1.40	.....	0.40	2.0	4	16	0	15	s.	James S. Allen.
Maysville, Dam 33	Mason	524	42	42.4	+ 7.1	63	25	12	4	38	2.57	−1.16	0.65	0	13	2	8	21	s.	Lockmaster.
Middlesboro	Bell	1128	41	45.6	+ 6.6	68	15†	12	4	33	4.36	−0.63	3.01	0	10	14	12	5	.....	Matthew Woodson
Mount Sterling	Montgomery	930	47	42.6	+ 7.0	66	25	18	4	32	3.77	−0.65	1.21	T.	11	11	7	13	nw.	W. R McKee.
Oneida	Clay	800	3	.....	.....	.....	.....	.....	.....	.....	3.61	.....	2.00	0	5	...	...	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	18	.....	.....	.....	.....	.....	.....	.....	2.58	0.83	0.74	T.	13	...	...	.....	.....	Lockmaster.
Paintsville	Johnson	620	6	.....	.....	.....	.....	.....	.....	.....	1.51	.....	0.46	0	9	...	...	.....	.....	A. L. Donta.
Pikeville	Pike	630	6	44.0	.....	69	10†	14	4	39	1.51	−2.01	0.62	T.	11	3	16	12	s.	U. S Weather Bureau.
Pippapass	Knott	1035.	6	44.0	.....	71	10†	11	4	46	1.50	.....	0.43	0	8	11	9	11	w.	Caney Run Com. Cen.
Quicksand	Breathitt	782	14	.....	.....	.....	.....	9	4	.....	3.50	−0.55	1.60	0	7	...	...	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	21	.....	.....	.....	.....	.....	.....	.....	2.83	−0.58	1.82	0	9	...	...	.....	.....	Lockmaster.
Richmond	Madison	926	43	42.8	+ 4.6	65	11†	15	3	29	3.47	−0.75	1.00	0	11	10	8	13	.....	J. W. Crooke.
Valley View, Lock 9	Madison	577	15	.....	.....	.....	.....	.....	.....	.....	2.78	−1.15	0.70	0	13	...	...	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	23	.....	.....	.....	.....	.....	.....	.....	3.42	−0.38	1.17	0	12	...	...	.....	.....	Lockmaster.
Williamsburg	Whitley	989	43	44.2	+ 3.5	75	24	11	4	51	3.25	−0.84	2.10	0	11	11	3	17	.....	Wadely West.
Willow, Lock 13	Lee	646	20	.....	.....	.....	.....	.....	.....	.....	3.64	−0.36	1.74	0	13	...	...	.....	.....	Lockmaster.
Winchester	Clark	961	3	42.2	...	64	11	11	4	31	2.67	.	0.48	T.	15	2	13	16	sw.	Airway Station.
State averages and extremes		.....	.....	42.7†	+ 5.1	75	24	6	3	51	3.16	−0.69	3.01	T.	11	8	7	16	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, *, [b], [a], appearing in the table indicate number of days missing; for example, b represents two days.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for December, 1940.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.	.05						1.05					.06	.03		.69	.50										T.	1.04	.29	.04		-	3.75
Calhoun G.												.27	.11		.02	.50	T.		.03					.02		.94	.42	.07	.02		2.76
Carlington G.							.98					.31	.11	.02	.36	.74									.02	.03	1.60	.50	.02	.01		4.70
Fords Ferry Dam 50[2] O.	.01						.59					.15	.15	.08	T.	1.01	T.		.05						.04	.04	.06	.95	.03	T	.06	3.28
Gilbertsville[2] T.							.85					.05	.12	.20	T.	.80			.10	.01	T.				T.		.82	.88	T		.09	3.94
Greenville G.							.95					.15	.20	.05	.45	.67			T.		T.				T.	.05	1.80	.60	.05	T.	.05	5.02
Hartford G.							.80					.15	.08		.50	.65			.02	T.	T.				.02	.05	.87	.37	.08		.03	3.62
Henderson O.							.31					.35	T.	.07	.81	.61			.06							T.	1.04	.22	.03		T.	3.04
Hopkinsville[2] C.							.62						.12	.05		1.19									.07	.03	1.08	.04				3.23
Lovelaceville M.							.67					.20	.60		.70											.10	1.12	.08		.10		3.57
Mayfield M.			T.				.92					.32			.34	.27			.01						T.	T.	1.21	.39	T.		T	3.46
Murray T.							.82					.29	.38		.83										T.	.38	1.32					3.97
Owensboro O.	T.						.49				T.	.28	.14		.60	.20			T.						T.	.08	.78	.15	.06	.02		2.80
Owensboro, Dam 46 [3] O.	.03						.50					.11	.22	.10	.03	1.55	T.								.03	.03	T.	.93	.13	T.		3.46
Paducah[3] O.							.58					.19	.52	.17		.60			.03						.02	T	.68	.90	.03	T.	T.	3.72
Princeton G.							.92					.16	.10	.02	.19	.58			.06	T.					.04	.02	1.63	.20	.02		.03	3.97
Rumsey, Lock No. 2 [3] G.	.01						.62					.11	.15	.12		.90			.01							.03		1.28	.05	.02	.03	3.28
Russellville [3] G.	.12						.53						.45	.12		.78										.04	1.07		.09		.25	3.45
Uniontown, Dam 49[2] O.							.80					.14	.09	.02		.72			.02						.03	.02	.01	.59	.25	.01		2.20
Central Division																																
Addison, Dam 45. [3] O.	T.						.73					.05	.20	T.	T.	1.00	T.		T.	T.					.01	.04		1.10	.07	.05	.02	3.27
Anchorage O.							.64					.48	.03		.18	.48									.14	12	.47	.19	.22	.01		2.96
Bowling Green G.							.50					.15	.25	.25		.94										.22	.85	.25	.10	.10	T.	3.61
Bowling Green No. 2[3] G.	.26						.38					.12	.37	.18		.68									.07	.04	.76	.88	.21	T		3.45
Brownsville, Lock No. 6[3] G.							.70					.05	.47	.08	.01	.77			T.						.05	.02	.31	.82	.32	.02	.03	3.65
Burnside[3] C.	.20											.10	.25	.75	.05	.15	.03			.32	.03				.03	.10	.05	.31	1.10	.15	.12	3.74
Carrollton Lock No. 1[3] K.							.19					.22	.48			.40										.04		.66	.24	.05		2.18
Clermont S.						.75						.42	.06		.63										.14		.23	.24				2.46
Cold Spring, Dam 36[2] O.	.02			T.			.08					.05	.50	.06	T.	.62	.05			T						.04	.02	.42	.58	.02	T.	2.46
Danville[3] K.	.09						.62	.05				.11	.14	.27		.18	T.			.18					.05	T.	.26	.67	.27	.08		2.97
Dix Dam, Burgin K.						.72					.14	.15	.22		.15	.05			.13						.02		.82	.72	.20	.10		2.52
Eadsville [3]	.13						.47	.11					.47	.36	T.	.23	T.			.41						.20	.33	.25	.90	.07	.05	3.98
Eubank C.							.19	.37					.16	.21	.11	.93											.34	.19	.17	.21		2.88
Frankfort, Lock No. 4[3] K.	.02						.65					.01	.41	.03		.49			T.	T.					T.	T.		.56	.67	.09		2.93
Gest, Lock No. 3 [2] K.	.03						.51					.09	.18	.05		.52			T.	T.					T	.11		.61	.50	.11		2.71
Glasgow G.	.09						.51					.07	.27	.27		.85				.11						.29	.37	1.05	.46	.04	.05	4.43
Grant, Dam 48[2] O.	.02			T.			.08					.05	.51	.05	T	.52	T.									T.	.05	.56	.30	T	T.	2.14
Greensburg [3] G.							.60					.40	.23		.13	.38				.11					.36	.25	1.00	.38	.66	.01		4.51
High Bridge, Lock No. 7[2] K.	.07				T.		.71	.02				.06	.17	.14		.19	.03			.18	T.					.04	T.	.37	.73	.19	.05	2.95
Irvington O.	T.						.76					.21	.03		.69	.52					.01				.10	.04	1.02	.15	.04		.01	3.53
LaGrange O.							.51				T.	.59	.67		.12	.58									.04	.08	.52	.03	.17	.02		2.73
Lancaster[3] K.					.85						.15	.16	.22		.25	.06			.10						.05		.25	.43	.32	.10		2.94
Leitchfield [2] G.						1.02						.25	.70		.31	.75			.01						.08		1.20	.13	.20		.07	4.72
Lexington [2] K.	T.			T.	.33	.56						.29	.25	T.	.19	.12			.19	.04					.02	.03	.47	.38	.34	.02	.01	3.24
Little Hickman, Lock No. 8 [2] [4] K.						.80						.12	.13	.26		.11	.06			.10							.26	.42	.30			2.56
Lockport, Lock No. 2[2] K.	.06				T.	.64						.13	.29	.04		.66				T.					T.	F.		.72	.41	.10		3.06
LOUISVILLE [2] O.				T.	.47	.21					T.	.60	.04		.70	.06			T						.23	T.	.67	.10	.2	T.	T.	3.10
Do, Bowman Field O.				T.	.48	.19						.35	.03		.66	.07			T						.24	T.	.86	.15	.07	.01	T.	3.15
Mammoth Cave[2] G.	.13					.53	T.					.04	.40	.19	T.	.79	T.		.01		T.				.05	.15	.48	.90	.70	.02	.06	4.45
Monticello [2] C.	.12					.32	.09						.32	.64			.26			.30						.21		.40	.40	.80		3.86
Munfordville [2] G.	.05					.51	T.					T	.28	.17		.61	T.									.31	T.	1.31	1.40	T.	T.	4.68
St. John S.						.96					.01	.38	.16	.03	.15	.65			.02		.01				.09	.09	1.11	.45	.20		.03	4.32
Salvisa, Lock No 6 [2] [4] K.	.12	T.				.93						.08	.33	.16		.34	.02									.07	.02	.38	.73	.19	.02	3.39
Shelbyville S.						.78						.32	.06		.15	.64			.22	.04	.03				T.	.22	.58	.24	.02	.10	.02	3.42
Smith's Grove G.	.01				.11	.31					T.	.31	.30		.21	.10			T.	T					.09	T.	1.09	.53	.19		.06	3.31
Stearns C.	.04					.19						.04	.77	.01	.05	.01				.17					.04	01	.23	.91	.23		.01	2.71
Taylorsville S.																																
Tyrone, Lock No. 5 [2] [4] K.	.08					.85						.30	.17	.15		.45	T.		T.							T.	T.	.62	.63	.16	T.	3.41
Williamstown L.						.32						.31	.23	.02		.60				.62	.02					.05	.50	.14	.40	.05		2.66
Woodbury, Lock No. 4[2] G.	.05					.80						.10	.04	.03		.97			.03						T.		.29	.95	.14	.05		3.45
Eastern Division																																
Annville C.	.08		T.				.34					.07	.34	T		.10				.30					T.		.08	.67	1 78		.10	3.86
Ashland [2] O.	.03					.03	.51					.02	.21	.24		.13				.13						.05		.36	.31	.18		2.20
Berea K.							.50					.26	.20	.04		.26				.13							.35	.75	.64			3.18
College Hill, Lock No. 11[2] K.	.02						.66	.10				.04	.14	.13		.18				.15						.05		.25	.85	.30	.07	2.94
Cynthiana [2] L.							.61	T.					.55	T.		.40	T.									.08		.44	.62	.04		2.74
Falmouth [2] L.	.03				T.		.33					.06	.34	.01		.50	T.									.01	.02	.51	.74	.06		2.61
Farmers [2] L.	.01			.01		.85	.03					.05	.22	.32		.09	.05			.09					.02	.04	.15	1.21	.21			3.35
Flemingsburg [2] L.						.73							.82			.28				.47								.29	.75	.11		2.95
Ford, Lock No. 10 [2] [4] K.	.05		T.			.72	.09					.03	.29	.21	T.	.12	.04			.10						.02	T.	.37	.36	.18	T.	2.58
Grayson [2] O.						.74							.25	.20		.10				.10						.03	.27	1.05				2.74
Greenup, Dam 30[2] O.	.02				.03	.55	.40						.29	.14		.12	.04		.09	T.						.04		.26	.85	.09		2.92
Hazard [2] K.	.10					.10						.06	.15	.70		.05				.10						.06		.12	.55	.25	.10	2 34
Heidelberg, Lock No. 14[2] K.	.04					.28	.02					T.	.07	.27	.02	.08	.01			.20	T					T.	.02	.12	1.82	.35	.09	3.39
Jackson [2] K.						.32							T.	.40		.10	T.			T.	.27					T.	.08	.04	1.55	.35	.12	3.23
Jenkins [2] K.					.03								.18	.17															.66		1.04
Louisa [2] B.	.02					.20	.10					.04	.24	.17		.06				.19						.06		.25	.36	.14		1.83
Lynch [near] C.						.35								.40	.35														.80			1.40
Maysville, Dam 33[2] O.	.04			T.		.58	.05					.01	.41	.02		.27	.14			.08						.05		.27	.65	.05		2.57
Middlesboro C.	.09					.26						.05	.53	.17	.03	.07												.10	3.01		.05	4.86
Mount Sterling L.			T.			1.21						.44	.23	.05	T.	.31				.11					T.	.08	.27	.80	.55	.02		3.77
Oneida [2] [4] K.								.32								.56												42	2.60		.31	3.61
Oneonta Dam 35[2] O.	.02		T.		T.	T.	.18	T.				.05	.45	.06		.43	.06			.02						.04	.03	.47	.74	.03	T.	2.58
Paintsville [2] B.	T.					T.		T.				T.		.04	T.	.08	.04			.46	.03	T.				T.		.19	.33	.23	.11	1.61
Pikeville B.	T.		T.		.04		.04					.02	.58	.04	T.	T.				.04					.03		.04	.02	.62		.04	1.51
Pippapass K.	.05				.06								.41													.08	.12	.43	.30	.05	1.50
Quicksand [2] K.												.51		.76						.23						.20		.10	1.10			3.50
Ravenna, Lock No. 12[2] K.	T.					.20	T.					T.	.24	.18		.13	T.			.15						T.		.22	1.32	.31	.08	2.83
Richmond [2] K.	.08					.60						.25	.15	.18		.17				.10						.04			1.00	.30	.30	3.47
Valley View, Lock No. 9[2] K.	.07					.70	.03					.14		.23		.12	.03			.17						.04	T.	.36	.60	.17	.10	2.76
Vanceburg, Dam No. 32 [2] O.				.02	.02	.72							.50	.06		.10	.14			.25						.03		.23	1.17	.18		3.42
Williamsburg [2] K.						.10								.12	.42	.03				.07						.08	.02	.05	13.2	.10	.18	3.25
Willow, Lock No. 13[2] K.						.29	.07					.06	.14	.28	.04	.11				.24						.04		.22	1.74	.33	.08	3.64
Winchester K.	0		T.			.24	.48					.27	.10	.03	.13	.10			.03	.01					T.	.02	.40	.42	.37	.04	T.	2.67

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours [3]Precipitation measured with recording gage. [4]Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for December, 1940.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.	Maximum	54	42	36	58	48	55	52	53	62	61	61	63	55	43	57	59	37	45	55	..	..	55	54	64	57	57	55	53	44	41	51	b52.5
Beaver Dam	Minimum	33	18	15	13	30	24	34	27	28	46	30	50	39	34	38	33	29	22	36	..	..	28	27	26	44	49	50	42	36	37	31	b32.7
	Maximum	..	55	39	52	47	52	53	..	67	59	61	62	44	42	57	59	37	45	53	54	47	52	67	59	57	57	55	54	44	41	50	b52.4
Calhoun	Minimum	..	19	15	15	33	26	40	..	26	46	34	38	38	34	39	33	28	24	36	37	30	36	27	44	48	45	51	42	36	37	33	b34.1
	Maximum	54	44	39	38	56	60	56	57	66	64	64	63	57	42	56	58	36	46	57	56	49	61	60	65	60	56	55	54	44	42	56	53.7
Earlington	Minimum	34	19	17	16	34	27	43	30	28	49	34	53	39	35	40	36	29	22	38	38	29	27	26	28	48	51	52	43	38	38	32	34.6
	Maximum	54	42	38	54	49	56	55	55	64	65	64	63	60	42	57	55	35	45	55	55	45	59	58	67	63	55	55	52	44	42	52	53.4
Greenville	Minimum	31	16	14	12	31	22	39	28	25	45	30	51	38	34	38	33	28	21	35	39	29	24	26	26	45	48	50	41	35	35	30	32.2
	Maximum	55	43	39	52	44	57	54	53	65	57	51	61	49	42	55	58	40	46	54	53	47	63	63	67	62	60	56	50	48	45	49	52.4
Henderson	Minimum	29	19	13	14	30	27	40	30	32	43	34	45	37	33	39	31	28	24	36	40	31	26	31	28	45	50	47	41	36	37	34	33.2
	Maximum	40	42	33	54	42	59	58	54	63	63	68	65	60	46	60	40	46	50	58	53	54	63	65	56	56	56	50	42	50	55	52	52.7
Hopkinsville	Minimum	31	19	16	15	30	24	38	30	28	42	34	51	39	32	35	37	26	25	31	40	29	27	26	34	35	48	48	43	35	36	33	32.9
	Maximum	56	46	44	56	56	61	58	55	67	65	62	62	43	57	55	39	44	59	57	54	62	63	66	65	56	54	50	45	50	59	57	55.3
Lovelaceville	Minimum	32	19	20	18	30	27	41	27	30	42	36	39	35	38	34	25	25	38	40	28	23	29	33	49	50	46	41	37	38	35	38	33.6
	Maximum	53	46	41	55	51	59	56	54	64	63	62	62	56	41	58	59	34	44	56	54	53	61	61	67	57	55	54	48	44	44	57	54.0
Mayfield	Minimum	32	21	19	20	31	31	44	30	37	45	36	54	39	36	39	33	26	27	38	40	31	25	34	45	48	50	47	41	37	38	39	35.9
	Maximum	54	44	38	50	56	59	58	59	62	55	66	62	57	56	59	55	58	58	59	46	41	50	51	49	47	39	63	48	49	47	45	52.7
Murray	Minimum	31	21	20	20	25	30	44	33	30	34	54	39	34	36	44	26	26	45	31	25	43	33	42	40	43	42	45	37	35	32	34.4
	Maximum	40	54	24	54	40	54	47	52	62	52	55	62	42	58	44	42	34	52	52	45	53	52	62	56	56	56	55	46	40	50	49.5
Owensboro	Minimum	30	21	13	15	32	24	40	28	29	40	35	45	37	33	37	33	28	27	37	30	46	30	30	42	46	49	40	35	35	35	33.8
	Maximum	55	46	41	55	48	60	53	47	65	59	58	62	50	41	58	57	35	43	56	54	49	58	59	66	58	54	54	48	44	46	57	52.8
Paducah (near)	Minimum	32	23	23	21	34	30	44	32	35	46	38	47	36	36	40	33	28	28	40	40	32	29	34	35	48	49	47	42	38	39	38	36.1
	Maximum	55	43	28	54	44	58	56	55	65	63	63	62	58	41	56	60	37	46	56	54	46	56	60	66	55	55	55	58	44	45	56	53.1
Princeton	Minimum	32	19	17	17	33	28	42	28	34	47	35	53	39	35	41	33	26	28	38	40	29	25	31	32	48	50	51	42	36	38	35	34.6
	Maximum	38	40	28	58	40	55	52	58	61	63	68	62	44	45	58	46	35	45	57	51	46	52	58	64	56	57	56	58	40	42	52	51.0
Russellville§§	Minimum	31	19	16	14	25	28	26	28	29	33	32	35	39	35	35	42	27	21	28	40	37	27	27	32	42	44	47	46	37	35	30	31.7
Central Division.	Maximum	52	44	34	46	41	56	48	46	..	59	58	60	47	41	54	59	43	42	54	51	39	53	41	62	52	57	55	51	47	38	46	a49.2
Anchorage	Minimum	34	17	11	12	24	21	35	28	..	42	36	46	36	32	39	21	31	24	32	34	32	30	28	25	36	47	47	43	37	36	36	a32.1
	Maximum	51	39	38	49	45	54	54	52	61	64	65	62	60	47	58	58	47	46	56	52	49	56	58	65	58	58	59	56	46	42	50	53.4
Bowling Green	Minimum	33	23	17	16	33	22	36	29	28	41	34	50	45	37	45	45	30	23	38	45	36	30	29	30	45	48	46	42	37	35	40	35.1
	Maximum	42	43	37	48	42	55	50	47	61	62	59	62	44	51	61	57	44	58	60	52	38	61	41	65	52	57	53	48	41	41	41	50.7
Clermont	Minimum	28	11	26	26	25	18	22	12	23	28	28	41	32	35	50	30	33	45	45	35	33	38	27	17	20	44	49	46	41	28	34	31.5
	Maximum	52	42	35	48	48	55	55	50	60	64	66	63	61	41	61	62	42	43	58	52	47	57	48	64	61	58	66	58	56	40	50	53 4
Danville	Minimum	34	19	13	9	31	19	40	29	29	46	31	47	38	34	37	40	29	31	30	43	37	27	30	25	38	49	48	47	35	35	34	33.4
	Maximum	52	42	39	49	49	55	53	49	60	63	63	63	63	56	59	61	45	44	58	55	50	54	55	63	61	60	59	57	51	39	51	54.1
Dix Dam	Minimum	34	21	15	14	35	21	45	30	30	49	34	41	41	36	40	44	31	33	55	45	30	34	30	28	35	51	50	48	38	37	36	35.5
	Maximum	49	43	35	50	55	57	59	60	60	64	60	62	58	54	60	59	51	48	56	54	50	52	49	54	56	66	61	62	57	52	56	54.7
Eubank	Minimum	26	18	14	11	21	26	30	33	26	35	34	42	36	35	37	37	34	29	37	40	34	29	32	36	42	47	42	37	31	34	34	32.2
	Maximum	44	42	36	48	42	55	52	48	61	63	58	63	58	43	55	61	42	41	59	53	46	59	47	65	60	57	53	48	46	39	49	51.7
Frankfort	Minimum	35	19	11	12	32	20	42	27	25	45	35	42	37	32	40	42	31	27	32	45	34	30	28	24	30	47	48	48	38	36	36	33.1
	Maximum	50	41	39	51	51	55	56	58	61	64	67	68	63	44	59	58	49	46	57	57	51	53	56	63	63	58	58	56	51	40	52	54.5
Glasgow	Minimum	36	20	15	15	35	24	45	28	27	47	32	48	42	38	41	45	31	24	34	45	41	30	28	28	43	50	50	49	37	37	31	35.5
	Maximum	50	41	39	52	49	56	52	50	62	64	62	62	62	54	60	60	42	45	58	53	49	52	51	61	67	59	58	55	50	40	54	53.8
Greensburg	Minimum	33	18	14	10	30	16	41	24	22	48	28	44	48	35	48	39	29	22	33	42	37	28	22	24	37	48	45	46	35	35	33	32.7
	Maximum	53	41	35	47	44	53	49	48	59	58	57	62	54	40	58	58	35	44	54	52	43	54	42	64	55	56	55	52	44	39	48	50 1
Irvington	Minimum	30	18	11	13	27	23	34	28	28	42	33	49	35	32	36	30	28	28	34	40	32	27	30	25	40	47	46	41	38	34	34	32.1
	Maximum	39	41	36	51	46	55	52	53	61	65	65	62	61	42	55	49	38	46	59	55	51	59	58	66	67	57	58	55	46	40	51	52.6
Leitchfield	Minimum	33	19	9	15	32	23	41	29	30	41	34	51	39	34	37	36	29	25	35	44	35	28	30	27	44	50	50	45	36	36	32	33.8
	Maximum	39	41	28	45	43	58	52	49	58	61	61	61	52	39	57	60	33	43	55	51	43	56	44	64	60	58	57	50	41	37	50	49 4
Lexington	Minimum	29	19	13	14	26	23	32	29	31	40	35	50	35	33	38	30	29	31	31	42	32	29	31	33	45	48	48	41	36	35	35	33.0
	Maximum	45	42	28	46	44	54	50	47	60	57	56	62	46	43	60	62	36	44	55	52	48	55	48	63	62	58	57	56	49	43	49	49.6
Louisville	Minimum	30	22	12	19	31	28	39	35	32	39	38	46	36	31	42	32	32	32	38	43	34	30	35	33	44	51	50	43	39	37	38	35.3
Do. Bowman Field	Maximum	44	41	25	46	42	54	49	46	60	57	58	59	45	42	59	61	34	42	54	51	39	55	40	62	52	56	55	50	43	39	46	48.4
	Minimum	27	22	11	18	28	22	34	32	30	40	36	45	35	34	38	32	31	28	34	40	32	29	27	24	38	48	50	42	38	36	37	32.8
Mammoth Cave	Maximum	40	41	27	50	39	68	58	52	61	64	67	62	43	45	59	50	43	46	57	54	48	60	56	67	55	58	56	50	40	40	55	51.9
	Minimum	34	16	15	9	25	23	17	15	24	29	31	34	41	35	35	43	30	19	20	37	38	29	25	27	27	44	49	47	37	35	30	29.7
St. John	Maximum	51	41	37	46	47	52	52	47	58	62	60	61	60	42	55	58	38	44	57	53	48	57	62	62	54	55	54	53	47	39	50	51.7
	Minimum	33	18	12	13	30	21	38	26	23	41	34	44	38	33	37	36	29	26	33	38	33	27	27	27	42	48	49	45	36	35	33	33.0
Shelbyville	Maximum	50	40	38	46	42	53	49	45	58	59	55	60	59	42	51	58	38	42	54	51	46	54	48	78	56	58	55	52	46	37	47	50.4
	Minimum	32	16	10	10	28	19	38	26	27	43	32	47	35	29	36	35	29	23	29	42	32	27	28	26	38	46	48	43	35	33	33	31.5
Smith's Grove	Maximum	50	40	29	49	44	55	54	55	60	63	68	62	49	44	58	58	36	46	57	50	48	55	56	64	56	58	58	53	43	40	52	51.9
	Minimum	26	21	16	17	27	23	32	30	29	38	35	49	39	38	42	31	28	25	37	44	34	31	30	31	46	50	52	42	38	32	34	33.8
Stearns	Maximum	47	41	32	45	44	55	54	48	59	59	65	66	57	41	58	58	36	38	53	51	45	56	52	60	54	63	59	56	47	43	50	52.1
	Minimum	29	22	12	12	28	23	35	29	29	39	31	44	39	31	39	32	29	25	33	42	35	24	31	29	50	47	47	44	34	33	32	33.2
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	50	46	41	42	43	52	48	47	57	58	52	60	59	42	49	58	43	39	53	53	45	51	47	60	63	58	56	54	47	41	44	50.3
	Minimum	30	18	10	14	29	21	41	27	29	46	34	47	34	30	36	40	30	28	30	44	35	29	33	29	39	49	51	44	38	34	34	33.8
Eastern Division.																																	
Annville	Maximum	50	41	33	46	45	56	52	48	58	65	65	65	61	42	64	62	45	45	57	52	51	54	47	64	60	60	63	59	54	39	53	53.4
	Minimum	32	18	13	8	33	14	41	22	20	38	25	26	37	35	37	43	29	29	25	41	31	27	22	18	29	37	44	37	32	35	33	28.7
Ashland	Maximum	58	45	26	45	44	55	53	49	58	65	66	62	59	40	56	65	55	42	50	57	50	57	51	63	65	66	61	60	60	43	45	53.7
	Minimum	35	24	17	13	32	20	31	32	26	40	35	40	38	34	38	47	33	31	25	42	35	29	33	25	30	46	47	45	42	36	37	33.5
Berea	Maximum	51	42	43	43	..	..	54	54	60	54	54	55	61	42	63	63	47	47	56	54	55	48	46	63	63	68	58	56	52	39	62	b58.1
	Minimum	33	21	13	20	..	..	42	30	32	43	32	38	38	35	38	45	30	31	33	38	40	30	30	29	40	40	46	48	33	35	34	b34.4
Farmers	Maximum	55	40	22	45	34	52	47	45	55	57	58	59	40	39	55	49	49	38	52	50	43	52	43	57	61	57	56	56	39	38	46	48.0
	Minimum	34	20	15	9	33	12	33	22	23	47	34	40	39	34	37	49	31	31	27	43	36	31	27	23	28	46	40	46	36	36	36	32.2
Heidelberg	Maximum	53	45	37	46	46	57	53	47	60	66	67	67	57	43	61	68	53	44	55	56	52	55	48	59	62	61	61	59	56	47	51	54.3
	Minimum	37	23	18	16	36	19	42	29	28	33	29	37	42	37	38	48	33	34	27	45	34	31	26	28	32	44	42	45	37	34	36	33.0
Lynch [near]	Maximum	42	34	32	30	30	46	41	39	44	51	50	55	51	55	57	56	55	44	49	47	47	49	54	50	54	56	54	55	51	39	52	47.7
	Minimum	22	14	6	6	15	17	29	21	26	38	33	35	46	42	39	44	18	16	29	38	22	34	29	41	35	42	40	42	29	24	20	28.8
Maysville	Maximum	52	42	39	45	45	55	50	49	59	61	55	62	61	44	52	60	44	41	49	55	49	58	47	62	63	59	56	54	52	41	45	51.6
	Minimum	35	20	16	12	30	19	34	30	25	45	37	42	38	33	40	44	32	33	26	42	37	31	30	24	27	44	48	44	41	36	37	33.1
Middlesboro	Maximum	57	45	46	45	50	59	52	50	58	52	60	62	60	56	66	65	57	56	52	56	58	55	60	60	60	67	66	61	61	50	58	56.7
	Minimum	34	23	23	12	37	21	37	26	23	45	27	35	54	43	48	55	31	23	29	42	34	28	22	30	49	48	40	50	40	37	29	34.6
Mount Sterling	Maximum	50	41	43	44	37	55	51	60	59	62	68	64	60	48	56	60	38	42	55	51	42	52	42	64	66	60	60	56	48	41	51	52.0
	Minimum	30	21	14	13	30	21	37	30	27	44	36	45	36	34	37	32	29	31	31	42	34	31	32	29	34	49	46	45	36	36	36	33.1
Pikeville	Maximum	56	46	26	50	46	57	55	50	60	69	67	69	58	43	69	68	40	47	60	54	57	53	48	66	67	56	59	56	51	43	51	55.3
	Minimum	35	27	14	19	29	28	33	27	24	31	30	36	41	40	41	40	34	28	30	38	30	27	27	26	41	50	50	49	41	38	38	32.7
Pippapass	Maximum	57	41	39	45	48	50	54	55	62	71	71	68	56	44	59	61	50	50	62	60	58	62	50	68	58	64	65	58	54	50	45	55.7
	Minimum	35	19	22	11	35	20	20	22	24	40	30	38	43	38	40	39	32	32	27	35	39	29	24	21	33	44	40	48	42	36	36	32.4
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	34	22	16	9	30	20	34	28	22	36	28	37	39	37	39	35	31	27	26	36	37	29	23	22	28	43	38	48	38	36	36	30.9
Richmond	Maximum	46	40	30	45	38	55	50	50	60	60	65	65	50	55	55	60	36	37	50	47	45	45	50	63	55	60	55	52	42	47	55	49.8
	Minimum	36	22	15	17	35	26	42	30	34	45	37	45	40	36	39	45	30	32	32	45	40	30	30	30	35	50	48	50	40	35	38	35.7
Williamsburg	Maximum	58	42	35	49	50	55	58	59	63	55	65	60	47	55	64	41	49	55	55	48	55	49	75	64	64	62	63	48	40	51	54.0
	Minimum	35	22	21	11	37	25	41	22	27	48	31	43	46	40	42	49	31	28	31	42	41	30	25	24	36	48	42	50	36	36	32	34.4
Winchester	Maximum	50	40	26	47	46	58	51	47	58	61	64	69	60	40	57	58	40	41	56	50	43	58	47	61	61	57	57	52	48	38	50	50.8
	Minimum	39	19	12	11	30	24	36	31	30	47	34	48	37	38	36	37	29	30	29	42	37	30	29	30	39	49	46	48	36	33	34	33.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

13 KENTUCKY SECTION.
J. L. KENDALL.
VOL. XLV LOUISVILLE, KY., ANNUAL, 1940 No. 13

GENERAL SUMMARY.

Weather colder than the average prevailed during the first five months. Three periods of zero temperature in January, with much more snow than usual, hindered tobacco marketing and caused some loss of young livestock. Low temperature and persistent wet weather in February, March, and April, made spring planting exceptionally late and retarded the initial growth of the staple crops. The long humid period during the winter made possible rapid progress in disposing of the tobacco crop. Most tobacco plantbeds were sown in the brief warm interval late in March, but this work could not be completed until early April on account of renewed rainfall. Plowing from the first of the year till this time had been negligible, and excessive rain in middle April caused further delay. The cold winter weather favored grains, due to the ground remaining frozen most of the time with but little lifting effect. Warm weather late in March and early April sharply stimulated growth and blossoming of peaches. Severe freezes that followed near the middle of April destroyed most fruit that had commenced to bloom. Some fruit was preserved because the ensuing cold weather delayed blossoming until after the freezes. Planting and crop progress during the wet and cold spring weather were fairly good only on the warm and well drained limestone uplands. Tobacco transplanting began near the end of May, about two weeks late. Most of the crop was put out in early June, with temperatures comparatively high and unfavorable for obtaining a stand. Some parts of the State became quite dry toward the end of June, the dry areas lying mainly in the northern, central and western sections. Droughty districts expanded during July, and in most of them rainfall continued deficient until late in August, when moderately heavy rains brought relief to all except the northwestern counties. In southeastern districts the rainfall was sufficient for crops and pastures throughout the summer. High temperature late in July damaged tasseling corn and extended the firing of tobacco. Renewed growth from the late August rains delayed ripening, but this condition was largely overcome by dry weather that followed in September and October. There was no damage of consequence from frost, which did not occur with killing intensity until the crops matured. The period for sowing fall grains was much too dry. Rains late in October and early November brought up the last sown wheat, which grew slowly and remained very small. These rains afforded the first opportunity to strip tobacco. Pastures dried up in October and made but little growth after the late rains. Soil and moisture conditions in November and December were favorable for winter plowing.

The Weather By Months.

January.—Winter grains were protected by snow cover during most of the extreme cold. Water supplies for livestock remained scanty until after rains near the middle of the month. Snow and ice on roads caused traffic hazards that continued unusually long.

February.—The melting snow and accompanying rain fully restored water supplies. It became evident that the sub-zero weather of the preceding month had killed most peaches. The relatively warm days were so few that they had no effect on vegetation.

March.—Spring work proceeded somewhat better in the western counties, where there was less rain and more sunshine. Prior to the last five days vegetation remained as dormant as in mid-winter. Winter grains varied greatly in size and condition.

April.—Grains grew irregularly, partly due to super-saturation of soil and lack of sunshine, but to some extent because of weakness of plants that barely survived the winter. Spring planting was done with difficulty and over an extended period.

May.—On account of flooding that carried over from April, the western bottom lands could not be plowed until the middle of the month. Wheat headed as irregularly as it had grown, with much short straw. Strawberries developed unusually well, but dampness caused some loss.

June.—Frequency of showers rather than the amount of rain interfered with curing hay. Weather conditions were favorable for maturing and harvesting the grains. Pastures remained good, but growth slackened toward the end.

July.—Cool weather in the first half of the month offset the effect of deficient moisture. Threshing and combining were finished in ideal weather. Late tobacco became more irregular. Gardens deteriorated and pastures on hills dried seriously late in the month.

August.—Pastures and forage crops in northern and central sections varied greatly on account of the local character of the rains. Early corn was damaged more than tobacco because it was caught by dry weather when pollenizing. Late potatoes came up to poor stands.

September.—Rains late in the month brought up the grains that were sown early, and improved late potatoes. Cold winds in the periods of low temperature were unfavorable for curing tobacco. Water supplies became short in western districts.

October.—The rainfall averaged but little more than one-fourth of the normal amount. The dry weather and many warm days favored curing tobacco, but cut short the late potato crop. Plowing and conditioning soil for seeding became more difficult as the month advanced.

November.—Pastures improved and remained useful during most of the month. After the first week water supplies were ample and surface moisture was sufficient in northern and most central districts. Early rye attained a size to afford some grazing.

December.—Mild weather permitted slow growth of grains, with marked improvement. Conditions remained favorable for completion of corn gathering and for handling tobacco. Rainfall near normal replenished small streams and domestic water supplies.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.			Precipitation		Number of days			
	Mean.	Highest.	Lowest.	Average.	Average snowfall.	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	55.6	101	3	35.97	....	...	...	...	...
1890	57.1	101	4	58.82	....	...	...	..	...
1891	56.3	105	0	49.69	....	...	...	...	...
1892	55.3	101	− 6	44.25	....	...	...	..	...
1893	55.5	101	−22	44.71	....	...	...	..	...
1894	57.1	105	−12	34.81	....	...	...	..	...
1895	55.0	104	−18	38.47	....	..	156	105	104
1896	57.6	106	−12	44.68	....	94	151	111	104
1897	57.2	107	−16	46.72	8.1	111	168	97	100
1898	57.2	103	−12	52.38	12.5	103	153	110	102
1899	56.4	105	−30	46.38	24.6	112	157	103	105
1900	57.7	104	− 9	44.40	12.9	110	163	104	98
1901	55.3	112	−22	35.65	11.7	88	167	94	104
1902	56.5	107	− 3	44.35	14.0	102	162	91	112
1903	56.8	104	−16	41.16	12.9	106	170	87	108
1904	55.3	100	− 9	35.10	9.7	100	162	88	116
1905	55.8	106	−16	47.68	18.1	114	161	78	126
1906	57.0	100	−12	48.84	14.9	113	152	78	135
1907	56.1	102	−11	47.76	14.5	119	155	73	137
1908	57.7	104	2	41.94	9.5	109	160	82	115
1909	56.5	104	−14	51.41	10.0	108	158	82	125
1910	55.3	100	−20	50.67	30.6	111	168	74	123
1911	58.0	106	−16	46.77	6.6	117	155	67	143
1912	54.6	103	−20	47.93	27.0	108	165	74	127
1913	57.9	109	− 2	47.46	5.8	107	163	77	125
1914	56 3	109	−16	41·80	22·7	106	163	80	122
1915	56.2	102	0	51.92	14.4	114	150	93	122
1916	56.2	102	−14	45.49	23.9	106	173	87	106
1917	58.5	100	−21	46.01	42.8	106	155	91	119
1918	56.4	111	−20	40.64	24.9	106	159	87	119
1919	57.9	104	− 1	52.13	3.7	116	170	81	114
1920	55.5	100	− 6	46.90	10.1	104	154	81	131
1921	60.1	106	11	49.42	13.0	113	160	94	111
1922	58.5	103	1	44.43	3.0	119	170	87	108
1923	57.1	99	− 4	53.92	3.9	115	161	81	123
1924	55.0	103	− 9	42 68	6.3	105	169	79	118
1925	57.6	110	− 9	41.11	10.1	104	168	85	112
1926	56.1	107	−11	49.95	13.1	129	149	89	127
1927	57.8	103	− 3	53.45	10.5	123	157	88	120
1928	56.0	101	− 8	45.61	6.2	111	166	89	111
1929	56.2	101	−15	48.46	25.4	121	155	86	124
1930	57.6	114	−20	27.86	9.1	95	175	87	103
1931	59.0	106	− 9	41.98	4.6	114	166	77	123
1932	57.7	103	− 8	44.19	4.0	110	173	80	113
1933	58.4	106	− 9	50.61	6.9	115	154	86	125
1934	57.6	110	−19	37.14	11.8	100	171	90	104
1935	56.8	105	−14	57.40	13.3	123	151	91	123
1936	57 4	113	−25	37 94	20.4	97	170	98	103
1937	56 3	102	0	49.86	11.1	120	151	85	129
1938	58.8	101	− 4	45.78	6.1	114	161	92	112
1939	57.9	105	− 5	47.37	12.7	107	165	91	109
1940	54 8	102	−20	38.86	17.1	110	148	91	127
Period †	56 7	114	−30	45.49	13.6	109	161	88	116

†52-year averages.

Climatological Data for the Year 1940.

Stations.	Counties.	Elevation, feet.	Temperatnre (degrees Fahrenheit).						Precipitation (inches).							Number of dnys				Prevailing direction of wind.
			Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	With precip. of .01 in. or more.	Clear.	Pt. Cloudy.	Cloudy.	
WESTERN DIVISION																				
Beaver Dam	Ohio	441	34	54.9	99	Sept. 21†	−17	Jan. 26	35	41.94	8.44	April	0.72	Oct.	14.3	99	118	100	148	sw.
Calhoun	McLean	437	37	56.0	101	July 28	−12	Jan. 19	38	36.34	4.99	Feb.	0.20	Oct.	16.0	102	181	40	145	.....
Earlington	Hopkins	420	51	56.6	100	July 28	−10	Jan. 19†	51	36.77	4.70	Dec.	0.62	Oct.	15.8	94	197	54	115	n.
Ford's Ferry	Crittenden	356	.....	.....	..	.....	.....	.....	12	31.99	6.01	April	0.43	Sep.	14.5	113	.....	.....	.....	.....
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	2	37.96	4.90	Nov.	0.67	Sep.	14.5	105	.....	.....	.....	.....
Greenville	Muhlenburg	519	24	54.8	100	July 26†	−16	Jan. 26	24	40.28	7.14	April	0.78	Oct.	14.0	105	204	80	82	s.
Hartford	Ohio	640	.....	.....	.....	.....	.....	.....	2	37.17	5.85	April	0.51	Oct.	23.5	118	157	87	122	.....
Henderson	Henderson	382	9	55.6	102	July 30†	−16	Jan. 19	24	36.18	7.37	April	0.85	Oct.	21.0	90	151	133	82	e.
Hopkinsville	Christian	524	45	55.7	100	July 28	−17	Jan. 26	45	40.80	6.79	Mar.	0.77	Oct.	16.3	90	212	96	58	s.
Lovelaceville	Ballard	445	12	56.1	100	Sept. 21	−14	Jan. 26	12	41.71	6.73	April	0.76	Sep.	18.0	82	186	91	89	s.
Mayfield	Graves	364	32	57.4	100	July 29	− 9	Jan. 26	32	44.66	7.21	April	1.61	Oct.	23.5	100	166	124	76	s.
Murray	Calloway	412	15	56.8	100	July 30	− 8	Jan. 19	15	40.89	6.46	Feb.	0.93	Oct.	12.2	79	96	111	159	s.
Owensboro	Daviess	420	44	53.9	99	July 30	−18	Jan. 19	44	38.95	6.01	April	0.81	Oct.	11.0	101	199	36	131	nw.
Owensboro Dam 46	Daviess	404	.....	.....	.....	.....	.....	.....	13	39.60	6.33	April	0.77	Oct.	13.2	118	.....	.....	.....	.....
Paducah	McCracken	341	21	.....	100	Aug. 6	− 6	Jan. 19	56	39.89	5.58	Feb.	0.68	Oct.	13.5	108	.....	.....	.....	.....
Princeton	Caldwell	529	34	56.3	102	July 30	−11	Jan. 19	36	39.20	4.90	Mar.	0.73	Sep.	22.0	107	144	100	122	s.
Ramsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	24	37.81	5.12	Feb.	0.53	Oct.	17.5	123	.....	.....	.....	.....
Russellville	Logan	560	31	.....	98	July 29	.....	.....	29	.....	5.89	Mar.	0.51	Oct.	.....	.....	.....	.....	.....	s.
UniontownDam 49	Union	357	.....	.....	.....	.....	.....	.....	12	34.10	5.08	Nov.	0.66	Oct	.....	113	.....	.....	.....	.....
CENTRAL DIVISION.																				
Addison Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	13	34.28	5.60	April	0.62	Oct	14.0	122	.....	.....	.....	.....
Anchorage	Jefferson	700	41	52.8	97	July 30	−15	Jan. 19	40	40.34	6.85	April	0.44	Oct.	21.1	96	187	56	123	sw.
Bowling Green	Warren	500	52	57.2	100	July 28†	9	Jan. 19	58	44.71	7.28	Mar.	0.80	Oct.	12.0	95	184	72	110	w.
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	24	39.25	6.69	Mar.	0.75	Oct.	13.8	116	.....	.....	.....	.....
Burnside	Pulaski	705	.....	.....	.....	.....	.....	.....	50	44.40	6.10	Mar.	0.92	Oct.	11.3	134	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	450	.....	.....	.....	.....	.....	.....	42	31.00	4.46	April	0.58	Jan.	12.4	88	.....	.....	.....	.....
Clermont	Bullitt	.....	1	.....	102	July 30	.....	.....	5	.....	6.11	Mar.	1.10	June	13.8	.....	.....	.....	.....	.....
Cold Spring	Campbell	489	.....	.....	.....	.....	.....	.....	14	37.87	7.42	April	0.95	Sep.	19.3	120	.....	.....	.....	.....
Danville	Boyle	955	8	54.3	97	Aug. 17	−14	Jan. 19	8	39.45	5.51	Mar.	0.47	Oct.	16.5	133	156	72	138	sw.
Dix Dam, Burgin	Mercer	770	17	55.9	100	July 29	−12	Jan. 19	17	38.32	6.26	Mar.	1.17	Oct.	10.0	99	135	102	129	s.
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	5	.....	6.35	Mar.	0.57	Oct.	10.3	.....	.....	.....	.....	.....
Enbank	Pulaski	1177	47	54.8	100	Jy 9	−15	Jan. 19	47	36.09	5.25	Feb.	1.08	Oct.	.....	.....	105	105	156	s.
Frankfort	Franklin	504	49	53.7	102	Jy 2 9†	−15	Jan. 19	50	38.99	5.15	April	0.83	Oct.	17.5	113	137	89	140	w.
Gest, Lock 3	Henry	490	.....	.....	.....	.....	.....	.....	35	37.04	5.60	April	0.89	Oct.	.....	99	.....	.....	.....	.....
Glasgow	Barren	780	15	56.0	99	July 28	−19	Jan. 26	15	42.78	5.07	Feb.	0.94	Oct.	10.9	143	124	184	58	sw.
Grant	Boone	866	.....	.....	.....	.....	.....	.....	16	32.46	7.14	April	0.36	Oct.	.....	102	.....	.....	.....	.....
Greensburg	Green	581	48	54.1	100	Aug. 17	−13	Jan. 19†	52	37.24	5.64	Mar.	0.92	Oct.	10.8	116	54	26	286	sw.
High Bridge, Lock 7	Jessamine	544	.....	.....	.....	.....	.....	.....	39	39.99	5.78	Mar.	0.44	Oct.	12.1	130	.....	.....	.....	.....
Irvington	Breckinridge	646	43	54.2	99	July 30	−14	Jan. 19	43	37.74	6.41	April	0.46	Oct.	17.1	109	152	80	134	sw.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	2	40.25	7.08	April	0.76	Oct.	15.9	115	184	76	106	sw.
Lancaster	Garrard	1032	.....	.....	.....	.....	.....	.....	15	39.50	5.83	Mar.	0.92	Oct.	.....	107	.....	.....	.....	.....
Leitchfield	Grayson	635	45	55.0	100	July 29	−14	Jan. 19	45	43.99	6.30	Mar.	0.82	Sep.	26.7	117	123	103	135	sw.
Lexington	Fayette	989	57	53.8	100	July 29	−12	Jan. 19	58	42.91	6.07	Mar	0.55	Oct.	25.5	145	.....	.....	.....	.....
Little Hickman, Lock 8	Jessamine	560	.....	.....	.....	.....	.....	.....	30	40.74	6.32	Mar.	0.21	Oct.	16.5	92	.....	.....	.....	.....
Lockport, Lock 2	Henry	485	.....	.....	.....	.....	.....	.....	21	39.31	7.11	April	0.77	Oct.	22.8	100	.....	.....	.....	.....
Louisville	Jefferson	525	68	55.6	100	July 30	−13	Jan. 19	68	34.55	7.21	April	0.54	Oct.	17.5	108	147	114	105	sw.
Bowman Field	Jefferson	558	4	54.0	100	July 29†	−14	Jan. 19	4	36.35	6.80	April	0.58	Oct.	15.7	118	.....	.....	.....	.....
Mammoth Cave	Edmonson	.....	6	52.7	98	July 30	−14	Jan. 19†	6	45.82	6.80	Mar.	0.81	Oct.	13.7	140	168	61	142	sw.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	3	41.18	6.26	Mar.	1.06	Oct.	12.5	110	154	92	120	.....
Munfordville	Hart	690	.....	.....	.....	.....	.....	.....	16	38.46	5.53	Mar.	1.82	Oct.	7.3	103	.....	.....	.....	.....
St. John	Hardin	777	45	.....	.....	.....	−17	Jan. 26	45	40.17	7.33	Mar.	0.51	Oct.	16.3	124	157	101	108	.....
Salvisa, Lock 6	Mercer	520	.....	.....	.....	.....	.....	.....	27	40.38	5.56	Mar.	0.55	Oct.	14.3	114	.....	.....	.....	.....
Shelbyville	Shelby	825	52	52.9	101	July 29†	−20	Jan. 19	52	43.66	6.48	Mar.	1.02	Oct.	26.3	128	.....	.....	.....	sw.
Smith's Grove	Warren	607	4	54.9	101	July 29	−11	Jan. 19	4	37.02	6.29	Mar.	1.27	Oct.	6.9	116	.....	.....	.....	.....
Stearns	McCreary	1400	5	54.5	95	July 29	−10	Jan. 19	5	43.86	8.97	Mar.	1.04	Oct.	17.5	140	.....	.....	.....	sw.
Taylorsville	Spencer	489	36	.....	98	July 30	−15	Jan. 19	36	.....	5.67	Mar.	.....	.....	.....	.....	.....	.....	.....	w.
Tyrone, Lock 5	Anderson	524	.....	.....	.....	.....	.....	.....	23	41.49	5.45	Mar.	0.58	Oct.	14.7	110	.....	.....	.....	.....
Williamstown	Grant	943	38	54.2	100	July 29†	−15	Jan. 19	38	41.29	7.16	April	1.00	Oct.	20.5	129	199	60	109	w.
Woodbary, Lock 4	Butler	504	.....	.....	.....	.....	.....	.....	24	35.54	5.39	Mar.	0.56	Oct.	10.9	118	.....	.....	.....	.....
EASTERN DIVISION.																				
Annville	Jackson	.....	2	53.4	97	July 27	−18	Jan. 19	19	40.63	5.19	Mar.	0.96	Oct.	21.5	114	110	128	128	sw.
Ashland	Boyd	534	22	55.1	100	July 28	− 7	Jan. 19	27	34.63	4.79	Mar.	0.99	Oct.	15.2	123	122	84	160	w.
Berea	Madison	1070	39	54.8	98	July 29	−13	Jan. 19	39	40.61	5.49	Aug.	0.54	Oct.	17.6	110	165	61	140	sw.
College Hill, Lock 11	Madison	611	.....	.....	.....	.....	.....	.....	31	39.70	6.47	Aug.	0.49	Oct.	23.1	121	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	24	34.28	6.22	Mar.	0.20	Oct.	16.3	79	.....	.....	.....	.....
Falmouth	Pendleton	600	.....	.....	.....	.....	.....	.....	52	39.21	6.20	April	0.99	Sep.	15.5	115	.....	.....	.....	.....
Farmers	Rowan	668	34	52.3	96	July 27	−12	Jan. 19	35	42.08	7.76	June	0.48	Oct.	17.2	125	94	131	142	w.
Flemingsburg	Fleming	870	.....	.....	.....	.....	.....	.....	16	45.95	6.10	May	0.36	Oct.	.....	103	.....	.....	.....	.....
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	25	41.77	5.91	Mar.	0.22	Oct.	.....	114	.....	.....	.....	.....
Grayson	Carter	589	.....	.....	.....	.....	.....	.....	11	34.36	4.09	July	0.40	Oct.	13.5	73	.....	.....	.....	.....
Greenup, Dam 30	Greenup	540	.....	.....	.....	.....	.....	.....	21	37.61	5.17	June	0.82	Oct.	23.7	121	.....	.....	.....	.....
Hazard	Perry	869	.....	.....	.....	.....	.....	.....	17	40.54	5.78	July	1.68	Oct.	.....	142	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	663	6	54.7	99	July 29	−10	Jan. 19	24	38.07	5.70	Mar.	0.70	Oct.	13.0	131	120	69	177	sw.
Jackson	Breathitt	776	.....	.....	.....	.....	.....	.....	6	45.83	6.57	Aug.	1.04	Oct.	23.0	93	.....	.....	.....	.....
Jenkins	Bell	1566	.....	.....	.....	.....	.....	.....	21	.....	5.41	Aug.	0.48	Oct.	.....	.....	.....	.....	.....	.....
Lonisa	Lawrence	584	.....	.....	.....	.....	.....	.....	57	32.55	4.01	Feb.	0.46	Oct.	.....	97	.....	.....	.....	.....
Lynch		.....	1	.....	83	July 28	.....	.....	1	.....	10.87	July	.....	.....	.....	.....	.....	.....	.....	s.
Maysville	Mason	524	45	54.2	99	July 28†	−10	Jan. 19	45	41.06	6.07	May	0.53	Oct.	26.0	127	95	149	122	sw.
Middlesboro	Bell	1128	45	55.2	95	July 28†	−10	Jan. 28	50	.....	4.81	April	0.42	Oct.	17.4	.....	.....	.....	.....	.....
Mount Sterling	Montgomery	930	51	.....	..	.....	−13	Jan. 19	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneida	Clay	.....	.....	.....	.....	.....	.....	.....	4	.....	4.08	Mar.	0.60	Oct.	.....	.....	.....	.....	.....	.....
Oneonta, Dam 35	Campbell	497	.....	.....	.....	.....	.....	.....	19	31.45	6.31	April	0.48	July	18.7	118	.....	.....	.....	.....
Paintsville	Johnson	620	.....	.....	.....	.....	.....	.....	7	33.59	5.50	Aug	0.50	Oct.	20.0	115	.....	.....	.....	.....
Pikeville	Pike	636	5	55.5	99	July 28†	− 5	Jan. 19	46	33.95	4.70	June	0.57	Oct	17.3	144	.....	.....	.....	e.
Pippapass	Knott	1035	7	.....	.....	.....	.....	.....	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quicksand	Breathitt	732	14	.....	100	July 30	−13	Jan. 19	14	38.41	7.53	Aug.	0.68	Oct.	12.0	61	.....	.....	.....	.....
Ravenna, Lock 12	Estill	631	.....	.....	.....	.....	.....	.....	23	37.54	5.46	Mar.	0.44	Oct.	.....	106	.....	.....	.....	.....
Richmond	Madison	926	51	55.2	97	July 29	−15	Jan. 19	50	40.42	5.47	May	0.50	Oct.	11.3	182	91	93	.....	.....
Valley View, Lock 9	Madison	571	.....	.....	.....	.....	.....	.....	27	37.68	5.82	Mar.	0.23	Oct.	16.2	113	.....	.....	.....	.....
Vanceburg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	25	39.94	5.80	June	0.71	Oct.	18.8	124	.....	.....	.....	.....
Williamsburg	Whitley	930	45	56 0	97	July 28†	−10	Jan. 26	46	.....	4.64	June	0.49	Oct.	14.9	.....	175	80	111	.....
Willow, Lock 13	Lee	646	.....	.....	.....	.....	.....	.....	24	43.71	6.33	Mar.	0.78	Oct.	13.3	115	.....	.....	.....	.....
Winchester	Clark	964	4	54.0	96	July 28†	−14	Jan. 19	4	41.40	6.11	Mar.	0.18	Oct.	18.7	129	.....	.....	.....	sw.

All temperature data are taken from self-registering thermometers.
Reference letters, , b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

†Also on other dates.

Monthly and Annual Precipitation for the Year 1940, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September		October.		November.		December.		Annual	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	1.74	−2.53	4.27	+1.09	5.72	+1.48	8.44	+4.32	3.28	−0.95	2.86	−0.31	4.09	+0.11	2.91	−0.40	1.27	−1.41	0.72	−2.08	2.89	−0.29	3.75	0.00	41.94	− 0.97
Calhoun	2.26	−2.70	4.99	+1.67	3.89	−1.18	4.92	+0.69	2.76	1.22	1.52	−2.84	3.03	−0.47	2.65	−1.19	2.89	−0.69	0.26	−3.39	4.47	+0.83	2.76	−1.50	36.34	−10.49
Earlington	2.60	−2.44	3.79	+0.26	3.93	−0.65	4.57	+0.47	3.71	−0.41	1.96	−1.86	0.98	−2.47	4.27	+1.02	1.08	−1.75	0.62	−2.68	4.56	+0.91	4.70	+0.43	36.77	−10.17
Ford's Ferry	2.49	−3.21	4.45	+1.87	3.30	−1.79	6.01	+2.57	1.93	−1.64	2.29	−1.31	0.59	−2.63	1.27	−1.12	0.45	−4.23	0.79	−2.11	5.14	+1.97	3.23	+0.16	31.99	−11.41
Gilbertsville	2.75	.....	4.77	.....	3.66	.....	4.25	.....	3.69	.....	4.74	.....	1.27	.....	2.54	.....	0.67	.....	0.78	.....	4.90	.....	3.91	.....	37.96	.....
Greenville	1.58	−2.99	5.27	+2.06	5.99	+1.60	7.14	+2.78	2.68	−1.57	2.21	−1.95	1.84	−1.91	2.70	−0.76	1.55	−1.02	0.78	−2.94	3.52	−0.02	5.02	+1.06	40.28	− 5.66
Hartford	1.65	.....	4.82	.....	5.36	.....	5.85	.....	3.22	.....	0.98	.....	1.79	.....	1.28	.....	0.51	.....	3.99	.....	3.62	.....	3.17	.....	35.17	.....
Henderson	2.28	−1.37	4.51	+1.88	3.48	−1.93	7.37	+3.44	3.77	−0.10	1.43	−1.76	1.37	−1.82	1.81	−1.41	0.95	−2.61	0.85	−2.33	5.28	+1.56	3.04	−1.60	36.18	− 8.17
Hopkinsville	1.96	−3.36	3.88	+0.26	6.79	+1.92	6.64	+2.33	3.59	−0.53	3.64	−0.75	2.18	−1.55	3.26	−0.28	1.04	−2.12	0.77	−2.66	3.82	−0.20	3.23	−1.65	40.80	− 8.69
Lovelaceville	2.44	−3.48	6.69	+2.87	3.97	−1.72	6.78	+2.94	3.09	−0.41	4.84	+0.76	1.68	−3.70	1.40	−2.18	0.76	−3.45	1.74	−1.78	5.40	+2.04	3.57	−0.54	41.71	− 9.16
Mayfield	3.44	−1.72	5.25	+1.87	4.86	+0.83	7.21	+2.95	3.82	−0.18	6.57	+2.77	1.41	−2.18	2.31	−1.40	1.05	−1.93	1.01	−2.25	4.27	+0.39	3.46	−0.86	44.66	− 1.66
Murray	2.98	−2.55	6.46	+3.16	4.95	−1.00	5.28	+0.57	3.51	−0.99	3.32	−1.41	1.20	−2.13	4.05	+0.66	0.94	−3.34	0.94	−2.53	3.30	−0.10	3.15	−0.72	40.89	− 10.41
Owensboro	1.86	−2.41	3.83	+0.98	2.58	−1.69	6.01	+2.05	2.99	−0.94	1.87	−2.04	3.12	+0.69	2.02	−1.42	1.16	−2.08	0.81	−2.64	4.96	+1.58	2.80	−0.94	38.95	− 9.46
Owensboro No. 2	2.01	−3.28	5.13	+2.51	2.69	−1.08	6.33	+2.85	3.14	−0.68	2.71	−1.88	3.46	+1.15	2.80	−0.80	1.74	−1.78	0.77	−2.16	5.10	+2.29	3.66	+0.45	39.60	− 8.81
Paducah	2.74	−2.28	5.58	+2.27	4.37	−0.14	5.38	+0.96	2.75	−1.19	4.71	+0.49	1.43	−2.05	2.36	−1.38	0.99	−2.28	0.68	−2.64	5.18	+1.85	3.72	−0.47	39.89	− 1.09
Princeton	2.65	−2.12	4.87	+1.88	4.90	+0.80	4.29	−0.09	3.42	−0.70	3.67	−0.45	1.75	−1.09	3.17	−0.43	0.73	−2.61	1.11	−2.06	4.67	+1.38	3.97	−0.39	39.20	− 7.56
Ramsey, Lock No. 2†	2.22	−2.42	5.12	+2.90	4.09	−0.41	3.87	−0.27	3.12	−1.12	1.66	−1.95	3.68	+0.60	2.63	−1.59	2.28	−0.87	0.53	−2.67	4.33	+0.81	3.28	−0.54	37.81	− 7.63
Russellville	.....	.....	3.76	+0.72	5.89	+1.12	4.75	+0.15	4.16	+0.25	1.53	−2.11	4.33	+0.06	3.02	−0.09	1.26	−1.81	0.61	−2.37	5.28	+2.00	3.45	−0.53	.....	.....
Uniontown	2.07	−2.95	4.79	+2.57	2.08	−1.85	6.71	+3.28	3.77	+0.59	3.59	−0.14	1.16	−2.01	0.85	−2.37	1.14	−3.56	0.66	−2.28	5.68	+2.32	2.20	−0.90	34.10	− 7.40
CENTRAL DIVISION.																										
Addison	1.48	−4.20	5.14	+2.38	3.62	−0.34	5.60	+1.91	2.75	−0.27	0.93	−2.97	2.94	−0.14	2.53	−0.61	2.20	−0.85	0.62	−2.45	3.20	+0.40	3.27	−0.34	34.28	− 8.88
Auchorage	1.46	−2.71	5.26	+2.40	5.62	+1.36	6.85	+3.05	2.88	−0.85	2.14	−1.53	2.15	−1.95	4.24	+0.59	1.43	−1.29	0.44	−2.54	4.91	+1.67	2.96	−0.90	40.84	− 2.70
Bowling Green	2.30	−2.92	4.64	+1.02	7.28	+2.18	4.51	+0.17	4.04	−0.16	1.78	−2.28	4.62	+0.64	3.31	−0.32	1.95	−1.40	0.80	−2.41	5.87	+2.23	3.61	−1.11	44.71	− 4.39
Brownsville, Lock No 6†	1.68	−3.87	4.66	+0.69	6.69	+1.46	5.31	+0.93	3.37	−0.57	2.71	−1.53	1.63	−1.77	1.28	−2.97	1.82	−1.48	0.75	−2.29	5.73	+1.87	3.65	−1.09	39.25	− 10.52
Burnside	2.36	−2.45	5.16	+0.90	6.10	+0.99	5.16	+0.96	4.01	−0.49	4.03	−0.16	2.29	−2.22	5.65	+1.43	1.88	−1.74	0.92	−2.26	3.10	−0.36	3.74	−1.01	44.40	− 6.05
Carrollton, Lock No. 1	0.58	−3.14	3.07	+0.47	3.71	−0.11	4.46	+1.81	2.47	−1.76	3.87	−0.11	1.77	−1.58	3.34	−0.48	1.17	−1.93	1.01	−1.87	3.37	+0.44	2.18	−0.93	31.00	− 9.79
Clermont	1.99	.....	5.43	.....	6.11	.....	5.49	.....	1.10	.....	2.75	.....	1.94	.....	1.27	.....	1.29	.....	4.57	.....	2.46	.....	.....	.....	.....	.....
Cold Spring, Dam 36	1.43	−1.85	3.97	+1.58	4.84	+0.99	7.42	+3.76	2.97	−0.88	5.09	+1.02	0.29	−3.59	3.43	−0.21	0.95	−2.94	1.45	−1.08	3.87	+0.65	2.46	−0.37	37.87	− 2.94
Danville	1.56	−2.12	4.59	+1.46	5.81	+1.81	2.88	−0.95	4.85	+0.84	3.76	−0.21	2.88	−1.78	3.35	−0.34	3.25	−0.27	0.47	−1.45	3.44	+0.43	2.97	−0.87	39.45	− 3.66
Dix Dam, Burgin	1.23	−3.03	4.24	+1.27	6.26	+2.56	3.44	+0.34	4.06	+0.59	2.00	−2.34	2.85	−1.20	4.57	+0.91	3.02	−0.32	1.17	−1.81	2.56	−0.57	2.92	−0.78	38.32	− 4.38
Eadsville	1.75	.....	5.52	.....	6.85	.....	4.48	.....	.....	.....	3.69	.....	2.21	.....	4.17	.....	2.72	.....	0.57	.....	2.67	.....	3.98	.....	.....	.....
Eubank	2.10	−2.43	5.25	+1.86	4.17	−0.54	3.25	−0.65	4.03	−0.42	2.59	−1.66	1.91	−2.15	4.29	+0.01	2.56	−0.94	1.08	−2.08	1.98	−1.41	2.88	−1.28	36.09	− 10.83
Frankfort	1.56	−2.69	4.62	+1.48	5.04	+0.66	5.18	+1.39	3.76	+0.48	3.46	−0.65	3.02	−0.94	3.42	−0.28	1.20	−1.56	0.83	−1.88	4.01	+1.02	2.93	−0.87	38.99	− 3.84
Gest, Lock No. 3	0.96	−3.09	4.21	+1.17	5.48	+0.62	5.60	+1.86	2.69	−0.61	3.94	−0.09	1.37	−2.59	4.66	+1.10	0.98	−2.16	0.89	−2.02	3.57	+0.53	2.71	−1.08	37.04	− 6.26
Glasgow	1.39	−2.92	5.07	+1.54	5.04	−0.75	4.14	−0.15	4.49	−0.86	2.60	−0.02	1.81	−2.72	5.05	+0.59	1.45	−1.80	0.94	−1.77	5.37	+1.12	4.43	−0.72	42.78	− 6.74
Grant, Dam 3	1.37	−1.72	2.50	+0.25	3.49	+0.47	7.14	+3.80	2.79	−0.30	4.06	+0.31	0.62	−2.95	3.45	+0.16	1.09	−1.39	0.36	−2.09	3.45	+0.68	2.14	−0.46	32.46	− 4.24
Greensburg	1.29	−3.97	5.34	+1.78	5.64	+0.57	2.70	−1.19	3.55	−0.83	2.02	−2.41	2.30	−1.54	2.03	−2.15	1.72	−1.57	0.92	−2.47	5.22	+1.67	4.51	−0.01	37.24	− 12.17
High Bridge, Lock No 7	1.36	−3.26	4.74	+1.66	5.78	+1.48	3.35	−0.16	4.45	+0.79	3.57	−0.47	2.99	−1.06	4.08	+0.30	3.09	+0.19	0.44	−2.41	3.19	+0.01	2.53	−1.08	39.99	− 4.01
Irvington	1.85	−2.56	4.79	+1.65	4.88	+0.41	6.41	+2.45	2.24	−1.49	1.28	−2.78	2.79	−0.35	3.23	−0.27	2.45	−0.45	0.46	−2.57	3.90	+0.65	3.53	−0.40	37.74	− 5.66
LaGrange	1.70	.....	4.68	.....	4.90	.....	7.08	.....	3.26	.....	3.16	.....	1.02	.....	4.22	.....	1.18	.....	0.76	.....	4.56	.....	2.73	.....	40.25	.....
Lancaster	1.38	−2.93	4.71	+1.75	5.83	+0.98	3.34	+0.22	8.41	+0.06	2.48	−2.72	2.93	−1.46	4.46	+0.42	3.87	+0.94	0.92	−2.40	3.22	−0.04	2.94	−0.22	39.50	− 6.40
Leitchfield	2.82	−2.17	5.88	+2.50	6.30	+1.88	6.94	+2.58	3.05	−1.12	3.59	−0.50	1.34	−2.32	1.17	−2.55	0.82	−2.65	2.28	−1.18	5.08	+1.14	4.72	−0.02	43.99	− 4.41
Lexington	2.31	−1.87	4.68	+1.06	6.67	+1.75	4.81	+1.31	5.36	+1.55	2.98	−1.07	3.42	−0.23	3.32	−0.13	2.59	−0.48	0.55	−2.04	3.58	+0.24	3.24	−0.53	42.91	− 0.44
Little Hickman, Lock 8	1.82	−2.59	4.69	+1.33	6.32	+1.96	2.82	−0.58	4.15	+0.37	2.92	−1.42	2.79	−1.01	5.08	+1.64	3.57	+0.67	0.21	−2.61	3.51	+0.57	2.56	−1.12	40.74	− 3.55
Lockport, Lock No. 2	1.63	−2.89	5.09	+2.22	3.50	−0.54	7.11	+3.58	2.75	−0.71	4.51	+0.13	1.12	−2.46	4.12	+0.34	1.53	−1.55	0.77	−2.09	3.73	+0.99	3.05	−0.63	39.31	− 3.31
LOUISVILLE	1.56	−2.44	5.23	+1.59	5.34	+0.95	7.21	+3.33	2.48	−1.24	1.59	−2.23	1.36	−2.34	1.59	−1.83	0.97	−1.81	0.54	−2.11	3.98	+0.37	3.10	−0.64	34.95	− 7.54
Do. Bowman Field	1.54	.....	4.33	.....	5.27	.....	5.80	.....	2.60	.....	2.58	.....	2.33	.....	1.77	.....	1.33	.....	0.58	.....	4.07	.....	3.15	.....	36.35	.....
Mammoth Cave	1.83	.....	5.87	.....	6.80	.....	4.92	.....	3.69	.....	3.35	.....	1.55	.....	4.85	.....	1.97	.....	0.81	.....	5.73	.....	4.45	.....	45.82	.....
Monticello	1.23	.....	4.74	.....	6.26	.....	4.45	.....	4.28	.....	4.61	.....	2.73	.....	4.14	.....	1.85	.....	1.06	.....	1.97	.....	3.86	.....	41.18	.....
Munfordville	1.48	−4.01	4.97	+1.37	5.53	.....	8.57	−0.20	3.66	−0.68	1.90	−3.70	1.71	−0.81	2.54	−0.21	2.01	−0.67	1.24	−2.16	5.20	+2.54	4.68	+1.60	38.46	− 4.75
St. John	1.78	−3.03	4.88	+1.26	7.33	+2.69	5.63	+1.39	2.71	−1.36	2.19	−2.07	2.16	−1.17	2.07	−1.86	2.16	−0.89	0.51	−2.76	4.48	+0.93	4.32	−0.20	40.17	− 6.07
Salvisa, Lock No. 6	2.10	−2.57	5.27	+2.13	5.56	+1.38	4.30	+0.64	4.03	−0.52	1.75	−2.67	2.95	−0.85	3.57	+0.03	2.42	−0.64	0.55	−2.23	4.49	+1.18	3.39	−1.01	40.38	− 4.08
Shelbyville	1.30	−3.25	5.24	+1.84	6.48	+1.93	6.21	+2.30	3.30	−0.50	2.86	−1.15	2.45	−1.38	5.48	−1.79	1.79	−1.05	1.02	−1.90	4.11	−0.86	3.42	−0.76	43.66	− 1.51
Smith's Grove	1.43	.....	4.52	.....	6.29	.....	4.55	.....	2.91	.....	1.87	.....	3.56	.....	1.78	.....	1.48	.....	1.27	.....	4.07	.....	3.31	.....	37.02	.....
Stearns	1.17	.....	4.50	.....	5.97	.....	5.29	.....	3.71	.....	6.45	.....	7.77	.....	2.04	.....	1.53	.....	1.04	.....	1.68	.....	2.71	.....	43.86	.....
Taylorsville	1.84	−2.87	3.94	+0.61	5.67	+1.15	4.31	+0.36	3.19	−0.49	1.20	−3.07	5.40	+1.33	2.10	−1.40	1.37	−1.79	.....	.....	.....	.....	.....	.....	.....	.....
Tyrone, Lock No. 5	1.96	−2.48	4.94	+1.84	5.45	+1.80	5.08	+1.09	3.50	0.00	2.04	−2.53	5.83	+1.65	2.51	−1.45	1.90	−1.39	0.58	−2.40	4.29	+1.40	3.41	−1.68	41.49	− 3.15
Williamstown	1.62	−2.24	5.11	+2.41	5.42	+1.38	7.16	+3.72	3.18	−0.16	4.48	+0.85	1.51	−2.05	3.79	+0.06	1.20	−1.43	1.00	−1.98	4.16	+1.24	2.06	−0.88	41.25	+ 0.60
Woodbury, Lock No. 4†	1.31	−3.85	4.27	+0.76	5.39	+0.75	4.87	+0.75	3.41	−0.22	1.98	−2.42	1.84	−1.63	2.43	−1.40	1.00	−1.70	0.56	−2.47	5.03	+1.59	3.45	−0.77	35.54	−10.61
EASTERN DIVISION.																										
Annville	1.25	.....	4.42	.....	5.19	.....	3.03	.....	3.31	.....	4.46	.....	4.23	.....	4.55	.....	2.95	.....	0.96	.....	2.42	.....	3.86	.....	40.68	.....
Ashland	1.07	−2.89	4.04	−0.96	4.79	+0.47	3.11	−0.49	2.65	−1.41	4.76	+0.54	2.42	−1.77	3.16	−0.61	2.07	−0.87	0.99	−1.76	3.37	+0.47	2.20	−1.45	34.65	− 8.41
Berea	1.44	−3.41	4.01	+0.52	5.28	+0.29	3.32	−0.33	4.26	+0.22	3.46	−1.04	1.86	−2.98	5.49	+1.28	3.65	+0.71	0.54	−2.84	3.57	+0.23	3.13	−1.13	40.01	− 7.88
College Hill, Lock No.12	1.82	−2.66	4.00	+1.07	5.01	+0.42	3.15	−0.07	3.18	−0.76	2.87	−1.24	4.09	+0.08	6.47	+2.37	3.08	+0.26	0.49	−2.56	2.60	−0.36	2.91	−1.04	39.70	− 4.48
Cynthiana	1.58	−3.60	5.15	+2.09	6.22	+2.02	4.86	+1.20	3.22	−0.19	3.25	−0.11	1.44	−1.98	1.26	−2.84	0.45	−2.93	0.20	−2.37	3.54	+0.88	3.74	−1.14	34.28	− 7.74
Falmouth	1.58	−2.43	4.82	+1.85	5.49	+1.31	6.20	+2.52	4.26	+0.73	4.96	+0.88	1.49	−2.19	1.46	−2.52	0.99	−1.63	1.20	−1.41	4.24	+1.29	2.61	−1.01	39.21	− 2.60
Farmers	1.19	−3.15	4.71	+1.61	4.16	−0.31	3.29	−0.41	3.73	−0.19	7.76	+3.46	3.71	−0.67	5.06	+0.62	2.11	−0.61	0.48	−2.43	2.53	−0.46	3.35	−0.51	42.08	− 3.05
Flemingsburg	1.56	−2.87	4.64	+1.55	5.45	+1.16	4.40	+0.51	6.10	+2.40	5.31	+0.87	3.84	−0.35	5.19	+0.83	2.36	−0.99	0.36	−2.95	4.29	+0.91	2.95	−0.45	45.98	+ 0.16
Ford, Lock No. 10	1.40	−2.87	4.35	+1.48	5.91	+1.75	3.69	+0.44	4.47	+0.97	2.69	−1.32	4.28	−0.52	5.77	+1.43	2.98	−0.04	0.22	−2.57	3.33	+0.47	2.58	−1.34	41.77	− 1.72
Grayson	0.94	.....	4.08	.....	3.77	−1.09	3.18	−0.32	2.80	−0.76	3.70	+0.36	4.09	−0.12	3.70	+0.12	2.11	−0.10	0.40	−2.60	2.50	+0.27	2.74	−1.00	34.36	.....
Greenup, Dam 30	1.11	−2.42	3.81	+0.01	4.86	+1.18	3.66	+0.17	3.83	+0.52	5.17	+1.33	1.29	−2.06	3.67	+0.18	2.98	+0.50	0.82	−1.34	3.46	+0.44	2.92	−0.37	37.61	− 1.76
Hazard	0.96	−1.26	4.16	−0.70	4.08	−0.12	4.51	+1.22	3.00	−2.11	4.78	+1.36	5.78	+0.74	4.33	+0.82	3.47	+0.27	1.08	−1.96	2.05	−1.00	2.34	−0.58	40.54	− 5.22
Heidelberg, Lock No 14	1.40	−2.86	4.22	+1.16	5.70	+0.95	2.72	−0.60	3.48	−0.50	4.16	−0.02	3.76	−1.02	3.76	−0.16	2.44	−0.70	0.70	−2.42	2.34	−0.57	3.39	−0.27	38.07	− 7.01
Jackson	1.67	.....	4.77	.....	4.31	.....	3.52	.....	3.01	.....	5.74	.....	2.74	.....	6.57	.....	3.48	.....	1.04	.....	2.75	.....	3.23	.....	43.83	.....
Jenkins	1.27	−2.16	3.30	−0.72	3.49	−1.26	2.77	−1.07	1.76	−3.01	.....	.....	.....	.....	5.41	+2.73	2.06	−0.88	0.48	−3.03	1.46	−2.26	1.04	−2.64	.....	.....
Louisa	1.47	−2.35	4.01	+1.25	3.67	−0.56	3.08	−0.26	2.66	−1.20	3.78	−0.68	1.69	−2.46	3.82	−0.54	2.54	−0.05	0.46	−2.41	2.44	−0.26	1.84	−1.81	32.55	− 9.73
Lynch	.....	.....	.....	.....	.....	.....	.....	.....	2.46	.....	6.33	.....	10.87	.....	7.22	.....	2.00	.....	.....	.....	2.70	.....	1.40	.....	.....	.....
Maysville	1.53	−2.57	4.92	+1.82	5.48	+1.21	4.46	+0.89	5.07	+2.62	4.73	+0.68	0.90	−3.42	4.34	+0.44	0.95	−1.94	0.53	−2.13	4.58	+1.54	2.57	−1.16	41.06	− 2.25
Middlesboro	2.08	−2.53	4.64	+0.62	4.67	−0.57	4.81	+0.33	3.62	−1.00	4.68	+0.06	4.44	−0.46	3.09	−1.47	.....	.....	0.42	−2.56	2.87	−0.95	4.36	−0.63	.....	.....
Mount Sterling	1.45	−3.42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.18	−0.35	3.77	−0.05	.....	.....
Oneida	1.93	.....	3.12	.....	4.06	.....	3.74	.....	3.89	.....	.....	.....	.....	.....	.....	.....	2.84	.....	0.60	.....	3.28	.....	3.61	.....	.....	.....
Oneonta, Dam No. 35	0.99	−2.48	4.04	+1.41	3.56	−0.28	5.31	+2.37	3.38	−0.07	2.64	−1.66	0.48	−3.77	2.16	−2.28	0.81	−2.48	1.31	−1.11	3.19	+0.28	2.58	−0.83	31.45	−10.88
Paintsville	1.40	.....	3.56	.....	4.15	.....	3.07	.....	1.89	.....	3.72	.....	1.67	.....	5.50	.....	4.14	.....	0.50	.....	2.48	.....	1.51	.....	33.59	.....
Pikeville	1.18	−2.66	3.87	+0.78	3.38	−0.94	2.57	−1.01	1.71	−1.83	4.70	+0.60	5.27	+1.05	5.19	+0.87	2.42	−0.54	0.57	−2.29	1.59	−1.37	1.51	−2.01	33.96	− 9.34
Pippapass	.....	.....	.....	.....	.....	.....	3.75	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.67	.....	0.91	.....	1.80	.....	1.50	.....	.....	.....
Quicksand	1.4	−2.43	3.12	−0.57	3.97	−1.90	2.61	−1.59	2.85	−2.29	5.10	+1.03	2.36	−3.07	7.53	+3.12	3.72	−0.13	0.68	−2.79	2.46	−1.41	3.50	−0.55	39.41	−11.13
Ravenna, Lock No.12	1.21	−2.37	3.80	+0.82	5.46	+1.50	3.53	+0.42	4.78	+0.86	2.73	−1.78	2.19	−2.38	5.23	+0.59	2.79	+0.77	0.44	−2.45	2.46	−0.26	2.83	−0.58	37.54	− 6.40
Richmond	1.00	−3.41	4.30	+1.12	4.65	+0.26	3.50	−0.09	5.47	+1.58	3.20	−0.88	3.27	−0.75	4.76	+0.80	3.62	+0.67	0.50	−2.47	2.68	−0.61	3.47	−0.75	40.42	− 4.48
Valley View, Lock No. 9	1.32	−3.30	4.15	+0.80	5.82	+1.11	3.58	+0.32	4.86	+1.85	2.48	−1.25	3.22	−0.82	2.74	−1.26	3.28	−0.15	0.23	−2.77	2.67	−0.79	2.76	−1.15	37.08	− 9.40
Vanceburg, Dam No. 32	1.37	−2.75	4.46	+1.01	4.80	−0.16	2.77	−0.82	5.14	+1.85	5.84	+1.88	1.26	−3.46	3.55	+1.09	1.83	−0.71	0.29	−2.71	3.74	+0.58	3.42	−0.28	39.94	− 4.81
Williamsburg	1.58	−2.84	2.76	+0.78	4.08	−0.57	4.58	+0.93	2.89	−1.20	4.64	+0.06	4.18	−0.56	.....	.....	1.08	−2.44	0.49	−2.35	2.88	−0.97	3.25	−0.84	.....	.....
Willow, Lock No. 13	1.7	−2.03	4.48	+2.00	6.36	+2.06	5.08	+2.31	4.14	+0.34	5.12	+0.77	2.46	−2.36	5.18	+1.42	2.24	−0.82	0.78	−2.24	2.51	−0.87	3.64	−0.36	43.71	− 0.78
Winchester	1.38	.....	4.53	.....	6.11	.....	3.19	.....	5.35	.....	2.48	.....	3.72	.....	5.72	.....	2.98	.....	0.18	.....	3.09	.....	2.67	.....	41.40	.....

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. T. Precipitation is less than 0.01 inch rain or melted snow.

†Ramsey Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1940, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		Augnst.		September.		October.		November.		December.		Annual.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.
WESTERN DIVISION.																										
Beaver Dam	20.0	−15.6	36.4	+ 0.2	44.4	− 3.2	54.9	− 1.0	62.0	− 4.3	b73.8	− 0.4	75.7	− 2.1	76.7	+ 0.3	66 8	− 4.1	61.0	+ 2.3	a45.0	− 1.9	a42.6	+ 5.5	54.9	− 2.1
Calhoun	20.2	−16.9	36.5	− 2.6	a44.7	− 3.7	a55.6	− 2.8	a63.5	− 3.1	a75.0	− 0.1	77.8	− 0.6	78.4	+ 1.2	a69.1	− 2.8	62.0	+ 2.1	a46.6	− 1.7	43.2	+ 4.2	56.0	− 2.3
Earlington	21.2	−15.0	37.6	− 0.2	46.6	− 0.8	56.8	− 1.0	64.2	− 2.8	75.8	− 0.0	78.2	− 0.7	77.7	+ 0.6	68.0	− 3.6	62.6	+ 3.0	46 6	− 1.4	b44.2	+ 5.3	56.6	− 1.4
Greenville	19.2	−17.8	36.1	− 3.9	43.8	− 3.5	54.5	− 2.8	61.4	− 3.8	73.0	− 1.5	76.0	− 2.0	76.7	+ 0.6	67.3	− 3.8	61.4	+ 2.1	45.0	− 2 8	42.8	+ 3.6	54.8	− 2.9
Henderson	19.0	.....	35.7	.....	44.4	.....	54.6	.....	63.0	.....	73.6	.....	77.4	.....	78.0	.....	68.7	.....	63.5	.....	46.0	.....	42.8	.....	55.6	.....
Hopkinsville	20.6	−17.3	36.7	− 2.5	46.2	− 3.6	55.3	− 2.3	62.6	− 4.6	74.8	− 0.6	76.8	− 2.3	77.6	− 0.3	68.9	− 3.3	61.3	+ 0.5	46.1	− 2.4	42.8	+ 3.8	56.7	− 2.9
Lovelaceville	20.2	−14.2	36.6	− 3.7	46.5	− 2.4	66.5	− 1.4	62.6	− 4.4	73.1	− 2.4	74.6	.....	77.4	.....	70.2	− 0.8	63.8	+ 3.8	46.3	− 0.7	44.4	+ 5.2	56.1	− 1.6
Mayfield	22.2	−15.1	38.0	− 2.0	48.0	− 1.7	b56.4	− 1.9	64.6	− 2.0	75.0	0.0	a77.3	− 1.6	78.6	+ 1.1	71.1	− 1.1	b64.7	+ 4.2	47.8	− 1.3	45.0	+ 4.6	67.4	− 1.4
Murray	22.0	−16.2	37.4	− 3.2	47.0	− 1.6	56.3	− 1.2	64.5	− 2.6	74.6	.....	76.2	− 3.2	78.2	+ 0.6	70.4	− 1.3	64.4	+ 4.4	47.0	− 1.1	43.6	+ 4.4	56.8	− 2.3
Owensboro	16.6	−18.6	33.0	− 3.6	42.0	− 4.6	54.6	− 1.1	61.2	− 4.2	73.6	− 0.6	76.6	− 1.2	76.7	+ 0.8	66.8	− 3.6	60.0	+ 1.3	44.4	− 2.6	41.6	+ 4.4	53.9	− 2.8
Paducah	22.1	−14.8	38.2	− 3.4	48.3	− 0.1	.....	.....	66.6	− 3.1	76.0	− 1.9	78.2	− 0.8	79.6	+ 1.8	72.2	− 0.8	65.0	+ 3.7	47.5	− 1.6	44.4	+ 5.4	.....	.....
Princeton	20.5	−15.7	36.9	− 0.9	46.2	− 1.5	56.0	− 2.2	62.4	− 4.4	74.2	− 1.1	77.5	− 1.1	76.6	− 0.7	69.6	− 2.2	64 6	+ 5.4	47.0	− 0.3	43.8	+ 5.1	56.3	− 1.6
Russellville	.....	.....	32.0	− 6.3	42.6	− 4.5	53.4	− 4.0	b64.9	− 0.8	73.7	− 0.9	76.0	− 2.2	76.8	− 1.2	66.6	− 6.3	b60.3	+ 0.9	a45.2	− 1.8	41.4	+ 2.6	.....	.....
CENTRAL DIVISION.																										
Anchorage	18.2	−15.3	35.6	− 0.9	41.6	− 2.8	52.3	− 1.5	60.0	− 8 4	71.0	− 1.1	74.2	− 2.1	75.0	+ 0.5	64.2	− 4.8	59.0	+ 2.3	43 8	− 1.0	a40.6	+ 5.7	52.8	− 2.0
Bowling Green	24.9	−12.6	38.0	− 1.0	48.0	− 0.4	57.1	− 1.4	64.6	− 2.9	76.0	0.0	77.4	− 1.9	78 3	+ 0.1	69.1	− 3.3	62.1	+ 2.2	46.6	− 1.3	44.2	+ 5.2	57.2	− 1.4
Clermont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77.0	.....	75.6	.....	64 2	.....	58.2	.....	46.0	.....	41.1	.....	.....	.....
Danville	21.4	.....	35.8	.....	43.4	.....	53.8	.....	61.2	.....	74.4	.....	75.6	.....	.....	.....	65.0	.....	59.8	.....	45.8	.....	43.4	.....	54.3	.....
Dix Dam	22.2	−15.4	37.6	− 2.7	44.5	.....	55.2	− 1.6	62.6	− 2.8	74.9	+ 1.0	76.6	− 1 2	77.5	+ 0.9	68.8	− 5.1	60.8	+ 2.0	47.2	− 0.4	44.8	+ 4.8	58 9	− 1.4
Eubank	22.7	−13.0	37.1	− 1.1	44.8	− 0.9	b53.9	− 0.7	62.2	− 1.8	71.4	− 0.1	74.4	− 0.7	76.6	+ 1.7	67.1	− 1.9	59 0	+ 2.0	45.4	− 0.2	43.4	+ 6.4	54.8	− 0.8
Frankfort	20.0	−16.3	35.4	− 1.4	43.4	− 2.7	52.6	− 3.1	61.0	− 4.2	73.6	− 0.1	77.2	0.0	77.2	+ 2.0	66.4	− 3.1	59.9	+ 2.5	45.4	− 1.2	42.4	+ 5.5	53.7	− 2.6
Glasgow	a22.2	−17.9	38.0	− 3.6	45.2	− 2.0	56.4	− 1.3	62.6	− 3.2	74.1	0.0	76.0	− 2.7	76.4	− 0.6	67.6	− 5.3	60.5	+ 1.9	47 7	− 0.8	45 0	+ 0.8	56.0	− 2.7
Greensburg	20.6	−14.9	36.3	0.0	43.6	− 2.6	54.2	− 1.3	60.3	− 4.2	72 8	− 0.4	74.9	− 1.7	76.0	+ 0.5	65.6	− 4.2	57.0	− 0 1	44.6	− 1.1	43.2	+ 5.9	54.1	− 2.0
Irvington	21.4	−14.8	36.6	− 0.1	43.6	− 3.2	55.6	− 2.6	61.6	− 4.4	73.6	− 0.4	76.4	− 1.2	73.9	− 2.0	64.4	− 6 2	59.2	+ 2.0	44.6	− 2.4	41.1	+ 3.8	54.2	− 2.6
Leitchfied	20.4	−15.3	35.2	− 1.2	44.8	− 1.3	54.2	− 1.7	61.9	− 3.4	73.2	− 0.1	76.0	− 1.1	76.3	+ 0.7	67.8	− 2.4	61.2	+ 2.7	46.2	− 0.6	43.2	+ 6 0	55.0	− 1.5
Lexington	19.6	−18.3	33.8	− 1.6	40.9	− 2.8	51.6	− 2.7	59.8	− 4.5	73.4	+ 1.2	76.4	+ 0.5	76.2	+ 1.7	66.6	− 1.9	61.0	+ 3.6	44.5	− 0.3	41.2	+ 5.4	53.8	− 1.2
LOUISVILLE	20.4	−14.0	35.3	− 1 9	43 1	− 2.8	53.8	− 2.6	62.6	− 4.0	74.8	+ 0.1	78.2	− 0 4	78.6	+ 1.6	68.2	− 2.3	63.2	+ 3.9	46.6	− 0.1	42.4	+ 4.8	55.6	− 1.4
Bowman Field	19.2	.....	33.6	.....	42.2	.....	52.7	.....	60.8	.....	73.8	.....	75.7	.....	77.6	.....	66.3	.....	60.8	.....	44.8	.....	40.6	.....	54.0	.....
Mammoth Cave	18.0	.....	35.8	.....	43.3	.....	54.3	.....	60.2	.....	71.9	.....	74.4	.....	74.9	.....	65.2	.....	59.2	.....	44.3	.....	40.8	.....	52.7	.....
St. John	17.3	−17.0	37.8	+ 2.4	40.8	− 4.2	52.8	− 1.9	61.2	− 2.9	70.9	− 1.6	.....	.....	74.6	− 0 3	65.5	− 3 9	58.2	+ 0.5	45.4	− 0.4	42.4	+ 6.6	.....	.....
Shelbyville	17.7	−16.2	32.9	− 1.2	41.5	− 3.1	51.2	− 3.4	59.5	− 4.9	71.6	− 1.7	75.2	− 1.6	75.1	− 0.1	64.2	− 5.4	59.6	+ 2.4	43.8	− 1.0	41.0	+ 5.3	52.9	− 2.4
Smiths Grove	21.6	.....	37.1	.....	44 2	.....	53.3	.....	60.5	.....	73.6	.....	76.0	.....	75.8	.....	67.3	.....	61.2	.....	45 8	.....	42.8	.....	54.9	.....
Stearns	24.0	.....	37.8	.....	43.3	.....	55.2	.....	61.4	.....	71.2	.....	73.4	.....	74.5	.....	66.0	.....	59.2	.....	45.6	.....	42.6	.....	54.5	.....
Taylorsville	19.4	−15.4	34.4	− 2.2	42.3	− 3.3	52.8	− 1.9	60 7	− 3.3	b72.9	+ 0.3	74.8	− 1.5	75.4	+ 1.2	b69 2	+ 0.6	.....	.....	.....	.....	.....	.....	.....	.....
Williamstown	19.9	−13.8	33.6	− 0.2	41.8	− 1.9	52.5	− 1.0	61.9	− 1.8	73.4	+ 1.2	76.0	− 0.2	76.2	+ 1.9	65.9	− 3.3	60.8	+ 4.9	46.4	+ 1.2	41.8	+ 7.0	54.2	− 0.4
EASTERN DIVISION.																										
Annville	21.0	.....	36.7	.....	42.4	.....	52.7	.....	60.4	.....	a70.3	.....	a73.2	.....	a78.6	.....	a63.6	.....	56.5	.....	44.0	.....	41.6	.....	53.4	.....
Ashland	23.6	−13.0	36.4	− 1.3	44.4	− 1.2	53.0	− 2.6	63.0	− 1.3	74.4	+ 1.1	76.0	− 0.5	76.2	+ 1.4	65.6	− 4.9	58.6	+ 0.8	46.6	− 0.5	43.6	+ 4.9	55.1	− 1.4
Berea	22.4	−14.8	a36.7	− 2.1	44.4	− 2.2	b53.4	− 2.4	b61.8	− 3.1	a73.2	+ 0.3	a75.3	− 1.0	a75.5	+ 1.0	64.8	− 5.1	60.0	+ 1.4	46.6	− 0.9	b43.8	+ 6.8	54.8	− 2.0
Farmers	20.1	−15.5	34.3	− 2.6	42.6	− 2.4	51.0	− 3.5	60.6	− 2.6	71.9	+ 0.6	73.4	− 1.7	72.8	− 0.5	62.8	− 6.5	55.4	− 1.1	43.0	− 2 5	40.1	+ 3.2	52.3	− 2.9
Heidelberg	23.1	.....	37.0	.....	44.0	.....	54 0	.....	62.0	.....	72 5	.....	76.0	.....	75.0	.....	65.5	.....	58.2	.....	46.2	.....	43.6	.....	54.7	.....
Lynch, near	.....	.....	.....	.....	.....	.....	.....	.....	a56.7	.....	64.0	.....	65.6	.....	64.8	.....	59.2	.....	63 2	.....	39.8	.....	38.2	.....	.....	.....
Maysville	20.8	−12 9	34.9	− 0.2	42.6	− 1.7	52.1	− 2 2	61.6	− 2.9	73.2	+ 0.8	76.0	− 0.8	76.0	+ 0.8	65.6	− 4.2	59.6	+ 1.6	45.7	+ 0.5	42.4	+ 7.1	64.2	− 1.2
Middlesboro	a24.4	−16.0	b38.4	− 1.4	a43.9	− 4.0	b56 6	− 0.1	61.6	− 3.1	72.4	0.0	73.7	− 1.6	a74.4	+ 0.2	a66.5	− 3.1	58.4	+ 1.1	47.0	+ 0.7	45.6	+ 6.6	66.2	− 1.7
Mt. Sterling	19.8	−14.2	34.9	+ 0.6	42.8	− 1.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46.0	+ 1.8	42.6	+ 7.0	.....	.....
Pikeville	27.2	.....	38.4	.....	43.6	.....	55.0	.....	62.8	.....	73.4	.....	75.7	.....	75.4	.....	66.6	.....	53.0	.....	46.3	.....	44.0	.....	55.5	.....
Pippapass	.....	.....	.....	.....	.....	.....	53.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	48.0	.....	44.8	.....	.....	.....
Quicksand	23.0	−15.7	.....	.....	.....	.....	.....	.....	a62 2	− 2.6	.....	.....	75.0	− 1.6	74.6	0.0	a67.9	− 3.1	a60.6	+ 3.0	.....	.....	.....	.....	.....	.....
Richmond	22.0	−13.3	36.2	− 0.6	42.5	− 3.1	54.4	− 1.7	61.0	− 4.6	73.4	− 0.1	76.0	− 0.9	76.8	+ 1.8	67.4	− 3.7	62.4	+ 3.4	46.9	− 0.8	42.8	+ 4.6	55.2	− 1.5
Williamsburg	24.0	−14.8	40.0	+ 0.6	47.2	+ 0.2	55.6	− 1.0	62.1	− 3.8	72.0	− 1.9	73.0	− 4.2	78.2	+ 2.1	67.8	− 3.0	69.4	− 0.1	a48.4	+ 0.4	44.2	− 3.5	55.0	− 1.8
Winchester	20.6	.....	34.8	.....	42.2	.....	52.9	.....	60.8	.....	72.5	.....	75.2	.....	75.7	.....	65.8	.....	60 0	.....	45.2	.....	42.2	.....	64.0	.....

All temperature data are taken from self-registering thermometers.

The departures from normal temperature are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.

KILLING FROSTS, 1940.

STATIONS.	Last in Spring.	First in Autumn.	STATIONS.	Last in Spring.	First in Autumn
WESTERN DIVISION					
Earlington	April 21	Nov. 7	Leitchfield	May 4	Nov. 7
Greenville	do 4	do 7	Lexington	April 22	do 7
Hopkinsville	do 4	Oct. 8	Lonisville	do 14	do 7
Lovelaceville	do 14	do 17	Mammoth Cave	May 4	Oct. 17
Mayfield	do 13	Nov. 11	St. John	do 4	do 17
Owensboro	do 14	Oct. 17	Shelbyville	do 4	do 17
Princeton	do 4	Nov. 7	Williamstown	April 21	Nov. 7
Russellville	do 14	Oct. 17			
CENTRAL DIVISON			EASTERN DIVISON		
Anchorage	April 4	Oct. 16	Ashland	April 28	Oct. 19
Bowling Green	do 14	Nov. 7	Berea	do 22	do 17
Danville	May 4	Oct. 17	Farmers	May 12	do 18
Dix Dam	April 21	do 17	Maysville	April 28	do 17
Enbank	May 4	do 17	Middlesboro	May 5	do 18
Frankfort	April 22	do 17	Mount Sterling	do 5	do 18
Greensburg	May 4	do 17	Richmond	April 21	do 17
Irvington	do 4	do 17	Williamsburg	do 28	Nov. 7

MONTHLY SUMMARIES, 1940.

MONTH.	Temperature.				Precipitation.		Average number of days.			Average Snowfall.
	State average.	*Departure.	Highest.	Lowest.	State average.	*Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.
January	21.1	−14.7	61	−20	1.67	− 2.82	10	11	6	14	8.6
February	36.1	− 1.0	68	2	4.66	+ 1.10	13	6	6	17	5.6
March	43.9	− 2.1	81	11	5.04	+ 0.81	10	10	7	14	1.9
April	54.1	− 2.0	89	19	4.88	+ 0.86	11	10	7	13	0.1
May	61.8	− 3.5	94	26	3.59	− 0.46	11	13	8	10	0.0
June	73.1	− 0.7	100	44	3.39	− 0.76	11	10	12	8	0.0
July	75.5	− 1.6	102	46	2.68	− 1.48	7	14	10	7	0.0
August	76.0	+ 0.2	102	45	3.57	− 0.12	8	13	11	7	0.0
September	66.7	− 3.8	100	29	1.97	− 0.94	3	21	5	4	0.0
October	60.4	+ 2.1	93	25	0.74	− 1.58	4	20	7	4	0.0
November	45.8	− 0.6	80	6	3.70	+ 0.30	11	12	5	13	0.9
December	42.7	+ 5.1	75	6	3.16	− 0.69	11	8	7	16	T.
Annual means and extremes	54.8	− 1.9	102	−20	38.86	− 6.63	110	148	91	127	17.1

*Compared with 52 years' normal.

NOTE—Tables and charts giving climatic data for Kentucky in detail during 1940 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W B O Louisville, 2-24-41-1250.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., JANUARY, 1941 No. 1

GENERAL SUMMARY.

Temperature conditions during the month were quite variable, but at no time severe for mid-winter. The slow growth of winter grains continued for the first three days, after which a short cold spell stopped this development. A few warm days near the middle and at the beginning of the third decade tended to revive grains and grass, but the quick return to normal temperatures prevented any growth of consequence. Rye pastures continued to be of some value for a short time early in the month. The predominance of moderate weather favored young livestock, the flow of milk, and production of eggs.

Precipitation occurred frequently but the daily amounts were generally light. There was more than the usual cloudiness and also considerable fog. These conditions with respect to atmospheric moisture, together with the moderate temperature and relatively light wind movement, were suitable for stripping and marketing tobacco, which progressed rapidly and were nearly completed. In most sections the aggregate amount of rain was much less than the average. Although no snow of consequence occurred and grain fields remained bare, the plants suffered but little injury from lifting by freezes. It was only in the third week that the surface soil was saturated for a brief period. Freezes were light until drainage had removed the excess water from the upper soil layers. At the end of the month grains appeared somewhat stained by the freezes that had rather abruptly terminated their growth; but the plants were well rooted, sturdy, and almost covered the ground. There was no run-off that would cause damage to grain fields or fallow lands. Some plowing occurred on the sandy lands of the western counties, but the frequency of rain and light freezes tended to prevent this work on the clay uplands.

Because of the relatively light precipitation and comparative absence of deep freezes, dirt and thinly surfaced feeder roads continued in much better than the usual winter condition. At no time during the month did the weather offer any hazard to use of the roads or other forms of transportation. Special building operations moved forward much more rapidly than had been anticipated.

TEMPERATURE.

Periods with temperatures above normal were: 1st-3d, 8-17th, and 21st-26th. Short intervals of rather cold weather occurred in the 1st, 3d, and last week. The coolest weather centered about the 5-6th, and 19th, when minimum temperatures ranged from 6° to 15° in most districts. The warmest periods were 1st-2d, 16-17th, and 21st-22d; when maxima ranged between 55° and 65°. The average maximum temperatures were practically seasonal: but mean minimum temperatures were much above normal, largely on account of persistent cloudiness, no snow, and lack of night radiation. The highest for the State was 66° at Russellville on the 1st and at Williamsburg on the 2d. The lowest was 0° at Lynch (near) on the 6th.

PRECIPITATION.

Precipitation averaged somewhat more than half the normal amount for this month, and was quite evenly distributed over the State. Some southeastern mountain counties received from 1.5 to 2.0 inches. Some northeastern districts and a limited area in the upper Cumberland Valley had from 3.0 to 3.4 inches. In most of the State it varied between 2.0 and 3.0 inches. The range was from 1.19 inches at Jenkins to 3.51 inches at Burnside. Light rain occurred on the 1st and 2d, and light to moderate rain in the periods 14-19th and 22d-27th. A few stations registered 1.0 inch or more on the 16th and 24th. Snow fell on several days but the aggregate amount was small. The total fall ranged from a trace to 0.5 inch in nearly all of the State. A few stations in the lower Licking Valley reported from 2.0 to 4.0 inches. Thunderstorms occurred in some western localities on the 2d and 16th.

MISCELLANEOUS.

Rivers:—Rains of the 23d-26th in the upper basin of the Ohio caused a moderate rise in that stream from the 25th to 30th. The river was falling slowly at the end of the month. The light run-off had but little effect on tributary streams within the State.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.19	30.58	9	29.47	16	8.0	29	sw.	16	85	66	..	42
Cincinnati ..... Ohio	30.20	30.63	6	29.63	17	7.7	26	w.	4	86	71	74	32
Evansville ..... Ind.	30.19	30.56	6	29.48	17	8.1	25	sw.	22	83	69	74	42
Louisville ..... Ky.	30.18	30.58	6	29.58	17	9.0	28	sw.	22	84	68	72	38

COMPARATIVE DATA FOR JANUARY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	38.0	65	13	3.52	....	..	..	..	..
1890	44.0	77	10	6.43	....	..	..	..	..
1891	37.0	68	14	5.40	....	..	..	..	..
1892	29.0	65	− 6	2.72	....	..	..	..	..
1893	26.0	67	−22	2.08	....	..	..	..	..
1894	38.0	78	−12	2.91	....	..	..	..	..
1895	30.0	78	−16	5.71	....	11	8	8	15
1896	36.1	74	− 3	1.25	....	6	9	7	15
1897	32.0	75	−16	3.25	4.2	8	11	8	12
1898	40.4	72	6	8.76	1.4	12	8	8	15
1899	34.4	68	−18	6.23	8.5	11	9	8	14
1900	37.2	77	− 8	2.80	0.9	8	12	8	11
1901	36.7	75	4	1.85	0.8	7	12	7	12
1902	33.7	70	5	5.14	2.3	7	14	5	12
1903	34.8	82	− 9	2.50	2.8	9	11	6	14
1904	32.3	70	− 9	3.17	2.5	10	13	5	13
1905	27.5	70	−15	2.83	12.8	11	10	5	16
1906	39.7	80	− 9	3.48	3.1	8	11	6	14
1907	43.2	83	−11	8.02	4.8	14	7	6	18
1908	35.0	62	7	2.20	1.0	8	13	5	13
1909	38.3	77	− 8	3.47	5.7	9	5	6	20
1910	33.8	70	−20	4.41	11.0	10	9	5	17
1911	39.7	73	−16	2.88	4.4	11	7	4	20
1912	25.9	61	−20	3.09	11.7	8	13	4	14
1913	42.5	76	13	11.41	1.4	14	8	6	17
1914	39.4	79	5	2.31	1.0	6	9	7	15
1915	33.0	65	0	5.03	7.0	13	8	7	16
1916	41.2	78	− 5	7.27	3.7	14	9	6	16
1917	36.7	74	−17	6.38	12.0	12	8	8	15
1918	20.6	62	−20	5.09	23.3	14	9	7	15
1919	37.9	68	− 1	3.62	1.6	7	16	6	9
1920	38.4	72	− 6	6.75	0.7	10	10	6	15
1921	39.7	71	12	3.06	4.0	10	10	7	14
1922	34.6	67	1	2.25	1.1	8	12	7	12
1923	41.0	68	11	6.11	T.	12	8	6	17
1924	31.3	66	− 8	5.05	1.2	9	15	5	11
1925	35.8	66	− 9	2.60	4.1	10	12	6	13
1926	34.4	69	−11	4.01	7.1	10	12	5	14
1927	35.8	76	− 3	6.33	2.2	12	9	6	16
1928	35.0	76	− 8	2.47	1.9	8	14	7	10
1929	34.8	76	− 6	4.54	1.8	13	9	7	15
1930	34.6	75	−20	4.85	3.8	13	11	5	15
1931	37.7	72	− 9	1.23	2.3	6	13	5	13
1932	44.9	80	14	8.13	0.2	14	11	5	15
1933	43.9	74	10	5.18	0.1	12	12	8	11
1934	40.4	72	− 3	1.85	0.2	8	11	6	14
1935	37.3	71	− 2	5.28	3.4	9	11	6	14
1936	29.4	68	−25	2.99	6.2	11	10	7	14
1937	43.6	76	13	15.77	2.0	17	4	4	23
1938	35.9	72	− 4	3.56	1.6	9	12	5	14
1939	40.4	74	11	5.56	2.1	11	8	5	18
1940	21.1	61	−20	1.67	8.6	10	11	6	14
1941	36.7	66	0	2.53	0.2	9	8	6	17
Period †	35.8	83	−25	4.45	4.1	10	11	6	14

†53-year averages.

Climatological Data for January, 1941.

Stations	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.						Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																			
Beaver Dam	Ohio	441	29	36.3	+ 0.7	58	1	11	6	36	2.95	−1.32	0.92	T.	7	7	4	20	s.	Eldred G. Young.
Calhoun	McLean	437	37	[b]37.0	− 0.1	58	21	11[b]	19	33[b]	2.70	−2.26	0.92	0.0	10	9	4	18	.....	K. C. Bennett.
Earlington	Hopkins	420	47	38.7	+ 2.5	60	12†	13	6	37	2.91	−2.13	1.14	0 0	9	11	2	18	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	2.18	−3.52	1.14	0.3	10	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	2.47	.....	1.15	0.0	9	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	36.9	− 0.1	58	12	10	6†	38	1.69	−2.88	0.82	0.0	6	11	8	12	n.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	2.86	.....	1.01	0.0	11	7	5	19	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	38.8	.....	58	21	9	6	33	2.26	−1.39	1.46	T.	9	10	5	16	s.	Frank T. Street, Jr
Hopkinsville	Christian	524	43	38.0	+ 0.1	60	12	12	6	39	2.49	−2.83	0.93	0.0	8	14	8	9	n.	W. K. Morris.
Lovelaceville	Ballard	479	12	40.1	.....	65	14	14	19	37	3.05	−2.87	1.04	0.0	7	11	4	16	n.	Blaine Malone.
Mayfield	Graves	364	32	[c]40.2	+ 2.9	64[c]	14	11	6	28[c]	2.29	−2.87	1.10	T.	8	9	8	14	n.	Mrs. Joe Payne.
Murray	Calloway	412	15	37.3	− 0.4	64	14	14	6	29	2.13	−3.40	1.12	0.0	6	9	1	21	n.	Ralph B. Weir.
Owensboro	Daviess	420	44	36.4	+ 1.2	56	21	11	6	27	2.30	−1.97	0.68	T.	10	10	4	17	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	2.39	−2.93	1.02	T.	11	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	39.1	+ 1.7	59	21†	16	6	26	2.50	−2.47	1.14	T.	13	12	6	13	.....	Joe Lagore.*
Princeton	Caldwell	529	34	38.5	+ 2.3	61	14	10	6	35	2.35	−2.62	0.97	0.0	10	9	4	18	n.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	2.60	−2.01	1.02	T.	11	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	36.4	+ 0.3	66	1	9	19	28	1.95	−3.26	0.84	0.0	7	10	3	18	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	18	.....	.....	.....	.....	.....	.....	.....	2.43	−2.59	1.28	T.	9	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	13	.....	.....	.....	.....	.....	.....	.....	2.41	−5.27	0.95	T.	10	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	34.8	+ 1.8	59	1	10	5†	32	2.66	−1.51	0.97	T.	8	13	0	18	w.	C. E. Barret.
Bowling Green	Warren	500	45	38.0	+ 0.5	59	2	11	6	30	2.31	−2.88	1.05	T.	8	9	6	16	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	2.15	−3.37	0.90	0.0	10	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	3.51	−1.30	1.34	T.	14	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	2.67	−1.05	0.77	0.0	9	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	[a]35.0	.....	60[b]	1	3[b]	5	31[b]	2.92	.....	1.04	T.	5	11	2	18	nw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	2.29	−0.99	0.84	2.5	10	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	36.7	.....	63	2	8	6	34	1.97	−1.71	0.76	T.	10	8	6	17	w.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	37.5	− 0.1	61	1†	11	6	35	2.47	−1.79	0.72	T.	7	8	6	17	.....	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	3.21	.....	1.20	0 0	9	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	37.2	+ 1.5	62	2	11	6	33	2.62	−1.91	1.16	0 0	6	6	3	22	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	36.6	+ 0.3	62	1†	8	6	39	3.06	−1.18	1.12	T.	9	4	9	18	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	2.79	−1.26	1.13	0.0	10	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	11	[b]40.0	− 0.1	62[b]	2	13[b]	6	34[b]	2.45	−1.86	1.24	0 0	12	9	12	10	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	2.14	−0.95	0.75	T.	11	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	36.9	+ 1.4	63	2	8	6	39	2.53	−2.73	1.17	T.	10	3	5	23	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	2.98	−1.64	0.81	T.	9	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	34.8	− 1.4	58	1	10	6	32	2.51	−1.60	0.92	0.2	10	3	11	17	w.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	2.53	.....	0.87	0.2	11	11	6	14	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	2.33	−1.98	0.88	0.0	8	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	[c]38.8	+ 3.1	66[c]	21	11[c]	8	35[c]	2.54	−2.45	0.80	0.8	10	.....	.....	.....	w.	D. Lem Hughes.
Lexington	Fayette	989	57	34.5	+ 1.6	61	2	9	6	32	2.32	−1.86	0.91	0.3	12	7	7	17	.....	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	2.43	−1.98	0.84	0.0	8	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	3.14	−0.88	1.13	0.0	10	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	36.1	+ 1.7	58	1	12	5	26	2.32	−1.68	0.90	0.0	13	7	8	16	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	34.7	.....	60	1	12	5	29	2.70	.....	0.65	0.0	10	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	35.0	.....	59	1†	7	6	41	2.59	.....	1.01	T.	12	6	4	21	nw.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	2.58	.....	1.22	0.6	7	9	6	16	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	2.50	−2.96	1.06	0.0	9	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	45	36.0	+ 1.7	58	1	10	6	33	2.77	−1.99	0.84	T.	12	8	6	17	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	2.49	−2.18	1.05	T.	9	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	34.1	+ 0.2	59	1	8	5	36	3.36	−1.19	1.02	T.	10	7	5	19	nw.	Willis S. Ratta.
Smith's Grove	Warren	607	3	36.8	.....	61	2	13	6	29	2.13	.....	0.45	T.	5	2	10	19	nw.	C. W. Guernsey.
Stearns	McCreary	1400	5	36.5	.....	64	2	7	6	39	2.06	.....	0.81	0.1	10	6	7	18	sw.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	3.10	−1.34	1.30	0.2	9	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	34.5	+ 1.3	58	2	7	5†	33	2.86	−1.00	1.05	0.5	12	9	6	16	e.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	2.08	−3.08	0.70	0.3	9	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	35.2	.....	62	2	8	6	40	3.44	.....	1.35	5 0	10	6	9	16	sw.	W. A. Worthington.
Ashland	Boyd	534	24	36.4	− 0.1	57	17†	8	6	36	2.71	−1.35	0.80	0.5	11	7	2	22	w.	Lockmaster.
Berea	Madison	1070	38	36.4	− 0.8	62	2	9	7	33	2.89	−1.96	1.05	0.3	9	8	5	18	w.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	31	.....	9	.....	.....	.....	.....	.....	2.71	−1.77	0.90	T.	7	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	3.06	−1.18	1.44	T.	6	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	2.89	−1.12	1.05	0.0	11	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	33.0	− 2.0	57	1	4	6	34	2.78	−1.56	0.88	0.2	11	3	9	19	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	3.13	−1.30	1.09	0.0	10	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	2.62	−1.65	0.75	0.2	10	.....	.....	.....	.....	Lockmaster.
Grahn	Carter	869	11	.....	.....	.....	.....	.....	.....	.....	2.50	.....	0.80	T.	6	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	3.01	−0.49	0.80	T.	12	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	2.20	−1.62	0.75	0.0	9	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	37.0	.....	62	2	5	6	39	2.71	−1.55	0.90	0.0	11	9	1	21	ne.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	2.14	.....	0.80	0.0	5	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1556	15	.....	.....	.....	.....	.....	.....	.....	1.19	−2.24	0.36	0.0	7	.....	.....	.....	.....	R. J Howard.
Louisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	2.61	−1.21	0.64	0.0	9	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	[b]33.4	.....	56[b]	1†	0[b]	6	31[b]	2.02	.....	1.08	2.5	7	11	3	17	n.	James S. Allen.
Maysville, Dam 33	Mason	521	43	34.9	+ 1.2	60	2	7	6	37	2.78	−1.32	1.00	0.5	11	2	9	20	w.	Lockmaster.
Middlesboro	Bell	1128	42	39.2	+ 0.8	63	16	9	6	32	1.93	−2.69	0.61	0.0	7	8	20	3	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	35.2	+ 1.2	61	1	8	6	32	2.56	−2.31	0.71	T.	13	9	4	18	nw.	W. R McKee.
Oneida	Clay	800	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	2.22	−1.28	0.76	4 0	10	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	1.88	.....	0.42	0.5	11	.....	.....	.....	.....	A. L. Donta.
Pikeville	Pike	636	5	37.2	.....	61	16	9	6	32	1.49	−2.29	0.58	0.0	9	2	15	14	w.	U. S Weather Bureau.
Pippapass	Knott	1035	7	37.4	.....	65	1†	6	6	37	1.75	.....	0.42	0.0	8	9	14	8	w.	Caney Run Com. Cen.
Quicksand	Breathitt	732	15	.....	.....	.....	.....	6	6	37	2.31	−1.66	0.84	T.	6	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	2.46	−1.12	1.00	T.	8	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	38.0	+ 2.7	65	1	10	6	29	2.84	−1.57	0.80	0.5	9	10	8	13	.....	W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	2.59	−2.03	0.71	T.	9	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	21	.....	.....	.....	.....	.....	.....	.....	3.45	−0.09	0.91	0.2	13	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	44	39.2	+ 0.4	66	2	13	5†	38	1.62	−2.80	0.72	T.	6	11	8	12	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	3.07	−0 6	1.24	T.	9	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	35 4	.....	62	2	7	6	31	2.48	.....	0.74	T	10	1	12	18	w.	Airway Station.
State averages and extremes	...	...	...	36.7	+ 0.9	66	1†	0	6	41	2.53	−1.92	1.46	0.2	9	8	6	17	w	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.
‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, *, [b], [c], appearing in the table indicate number of days missing; for example, [b] represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for January, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.	.24													T.	.36	.42	.28	T.				.62		.92		.11					2.95
Calhoun G.	.27	.11													.22	.36	.37	.12				.24		.52		.04				.05	2.70
Darlington O.	.21												.15	.19	.25	.39						.39		1.14		T.	.06				.10	2.91
Fords Ferry Dam 50[3] O.		.20	T.										.03	.15	.10	.38	.05	T.				T.	T.	1.14		.02	.03			.08	2.18
Gilbertsville[3] T.	.03	.14											.03	.17	.09	.31	.08					.26	T.	1.15							.21	2.47
Greenville G.														.20	.10							.37		.82		.10				.10	1.69
Hartford G.	.16	.02											.02	.30	.38	.44	.06					.34	T.	1.01		.08				.05	2.86
Henderson O.	.23												.03	.04	.16	.22	.04	.05						1.46		.03					2.26
Hopkinsville[3] C.		.15													.40	.60	.06					T.	.80	.93		.04		.11			2.49
Lovelaceville M.	.34																															
Mayfield M.	.02													.45		.90						.12	1.04		.10					.10	3.05
Murray T.														T.	.34	.18	.11	T.				.46	.05	1.10		.03					2.29
Owensboro O.	.30	.06						T.						T.	T.	.17	.10	.42	T.			.10	.35	.65		.07				.05	2.80
Owensboro, Dam 46[3] O.		.24													.03	.17	.10	.60	.09	T.		.02	.09	1.02		T.	.08			.05	2.39
Paducah[3] O.	T.	.23							.02						.02	.21	.09	.46	.05	T.		.07	T.	1.14	.02	.02	.02			T.	.15	2.60
Princeton K.	.15														.02	.25	.27	.17	.03			.38		.97		.03				.08		2.35
Rumsey, Lock No. 2[3] G.		.86													.02	.04	.13	.65	.08	T.		.13	.11	1.02			.04				.04	2.60
Russellville [3] G.		.01														.22	.06	.50					.22	.84							.14	1.98
Uniontown, Dam 49[3] O.	T.	.26	T.						T.						.09	.16	.11	.41	.06	T.		T.		1.28		.01	T.			T.	.05	2.43
Central Division																																
Addison, Dam 45[3] O.		.16													.01	.23	.07	.58	.10	T.		.06	.16	.95		T.	.09			T.		2.41
Anchorage O.	.05	.09		T.					T.					T.	T.	.51	.30	.21	T.			.34		.97		.19	T.					2.66
Bowling Green G.		.02													.60		.35	T.				.20		1.05		.05	.05			.02		2.34
Bowling Green No. 2[3] G.		.09												T.	.28	.05	.42	T.	T.				.16	1.03		T.	.11				.07	2.21
Brownsville, Lock No. 6[3] G.		.09													.15	.16	.60	.03	.02				.12	.90			.05				.03	2.16
Burnside[3] C.		.26	.08											.01	.04	1.15	.10	.04	.03			.12	1.24	.12	.02	.18				.07	3.51
Carrollton Lock No. 1[3] K.		.09													.20	.31	.60	.31				.09	.15	.77			.25					2.67
Clermont S.				T.											.61		.69	T.				.44	1.04			.24					2.92
Cold Spring, Dam 36[3] O.	.02	.13	T.	T.	T.				.03						.13	.22	.36	.11	T.	T.		T.	.24	.84	T.	T.	.21					2.29
Danville[3] K.	T.	.17	T.		T.										.05	.40	.11	.06	.02				.27	.76		.01	.12					1.97
Dix Dam, Bargin K.	.25														.66	.15	.11	T.				.41	.72			.28					2.47
Eadsville[3]		.82													.11	.71	.20						.36	1.20		.03	.08				.20	3.21
Eubank C.															.36	.30	.43						.27	1.16			.10					2.62
Frankfort, Lock No. 4[3] K.		.30			T.									T.	.01	.35	.44	.07	T.			T.	.21	1.12		.22	.34					3.06
Gest, Lock No. 3[3] K.		.19												T.	.14	.24	.35	.06				.03	.38	1.13		.04	.23					2.79
Glasgow G.		.15													.02	.02	.13	.65					.39	1.24		.02	.09				.05	2.45
Grant, Dam 83[3] O.	T.	.13		T.					.02	T.				T.	.12	.31	.37	.10	T.			.03	.05	.75		.01	.25					2.14
Greensburg [3] G.	.09	.06													.19	.21	.27					.32		1.17		.10	.07			.05		2.53
High Bridge, Lock No. 7[3] K.		.41	T.		T.										.02	.56	.55	.12	T.				.24	.81	T.	.03	.24					2.58
Irvington O.	.17	.13		T.	T.									T.	.32	.19	.25	.06				.30	.03	.92		.14				T.		2.51
LaGrange O.		.21		T.					T.						.01	.42	.04	.49	.03			.27	.01	.87		.12	.06					2.53
Lancaster[3] K.	.15	.05														.60	.15	.03				.25	.88			.22					2.33
Leitchfield [3] G.	.04	.05														.47	T.	.62	.03			.25		.80		.21	.05			.02		2.64
Lexington [3] K.	.10	.16		.01					T.		T.				.03	.34	.25	.14	.03	T.		.19	.09	.82		.16	T.	T.		T.		2.32
Little Hickman, Lock No. 8 [3]†.. K.	T.	.17	T.													.10	.56	.12	.10				.26	.84		T.	.28					2.43
Lockport, Lock No. 2[3] K.		.29	T.													.29	.21	.46	.01	.03		.12	.25	1.13			.32					3.14
LOUISVILLE[1] [3] O.	.08	.08		.01				T.	T.					.01	.01	.43	.16	.01	T.			.27	.31	.69		.20	T.	T.		T.		2.52
Do. Bowman Field O.	.13	.18		.01	T.			T.	T.					T.	.01	.41	.19	.25	.06	T.		.36	.24	.65		.21	T.			T.		2.50
Mammoth Cave[3] G.		.09								T.					.01	.17	.27	.50	.17	.01			.15	1.01		.01	.17			T.	.03	2.59
Monticello [3] C.				.25														.75					.20	1.22		.05	.07				.04	2.58
Munfordville [3] G.		.07	T.													.10	.35	.55	.04	T.		T.	.15	1.06			.14				.04	2.50
St. John S.	.02	.17		T.					T.						.02	.49	.02	.53	.08	T.			.37	.05	.84		.18	.05			T.		2.77
Salvisa, Lock No 6 [3]† K.		.25			T											.09	.49	.19	.02	T.				.13	1.05		.02	.26					2.49
Shelbyville S.		.20		T.										T.	.38	.13	.58	.10	T.			.57	.06	1.02		.20	.12					3.86
Smith's Grove C.	.03	T.													.28	.39	.22	T.	T.			.16	.45	.40		.11				.06		2.13
Stearns C.	T.	.21												.01	T.	.43	.15	.03	T.			.22	.01	.81		.14	T.			.05		2.06
Taylorsville S.																																
Tyrone, Lock No. 5 [3]† K.		.34			T.										.20	.42	.24	.10	T.				.16	1.30	T.	.04	.30					3.10
Williamstown L.		.42		.02	.01										.03	.29	.08	.31	.05			.22		1.05		.25	.13					2.86
Woodbury, Lock No. 4[3] G.		.03														.15	.19	.65		.03			.10	.70			.19				.04	2.08
Eastern Division																																
Annville C.		.25			T.									T.	.33	.47		.50	T.			.18	.14	1.35		.16	.05			.02		3.44
Ashland [3] O.		.15	.18	T.					T.						.03	.80	.12	.01	.02				.17	.31	.52		.40	T.	T.				2.71
Berea		.32	.02												.35	.40	.36	.03	.01			.35		1.05								2.89
College Hill, Lock No. 11[3] K.		.10														.97	.25	T.					.25	.90		.04	.20					2.71
Cynthiana [3] L.		.46		T.	T.				T.							.41	.19	T.	T.				.10	1.44			.40					3.00
Falmouth [3] L.		.43		T.	.01					T.					.09	.47	.28	.05	.01			T.	.23	1.05	T.	.01	.31					2.89
Farmers [3] L.		.28	.04	T.					T.					T.	.02	.88	.10	.04	.01			.25		.65	.09	.42						2.78
Flemingsburg [3] L.		.53			.02				T.							.70	.14	.09	.04				.06	1.09		.04	.42					3.13
Ford, Lock No. 10 [3]† K.		.32	.05	T.	T.					T					T.	.65	.16	.03	.01				.28	.75	.03	T.	.34	T.	T.				2.92
Grayson [3] O.		.25			T.											.75							.20	.80	.10		.40					2.60
Greenup, Dam 30[3]†. O.		.10	.35		.02				T.						.05	.80	.11	.09	.02				.17	.35	.55		.45	T.				3.04
Hazard[3]† K.		.10	.33													.30		.07					.20	.20	.75		.05	.20			T.	2.20
Heidelberg, Lock No. 14[3] K.		.05	.22							.01						.78	.05	.01					.25	.90	.28	.01	.18					2.71
Jackson [3]			.22												T.	.40							.42	.90	T.	T.	.20					2.14
Jenkins[3] B.			.18						.17											.03				.16	.02	.32	.36					1.19
Louisa[3] B.		.20	.26												.03	.64	.07		.09			.03	.36	.28	.45		.31					2.61
Lynch [near] C.		.63													.03				.10			.03		1.68		.05				.10		2.62
Maysville, Dam 33[3] O.		.22	.16		T				T.						.06	.52	.15	.09	.02				.09	1.70	.20		.27					2.78
Middlesboro C.		.25															.42					.10	.14	.61		.38				.03		1.93
Mount Sterling L.	.05	.07		T.					.02						.53	.39	.10	.04	.03			.24		.71	.02	.25	.11					2.56
Oneida [3]† K.																																
Oneonta Dam 35[3] O.	T.	.16	.03	T.	T.				.02	T.	T.				.09	.32	.15	.09	T.			T.	.28	.76	T.	T.	.32	T.	T.		T.	2.22
Paintsville [3] B.	.09	.07	.22	T.					T.	T.	T.					.42	.03	T.	.03				.09	.25	.41		.30	.03	T.			1.88
Pikeville B.	T.	.39	T.	.01	T.					T.	T.					.02		.06	T.			.14	.03	.58		.21	.05	T				1.49
Pippapass K.	.29	.10	.02						T.	T.	T.				.08	.22		T.	.02			.09	.13	.64		.21	.05					1.75
Quicksand[3] K.		F.		T.												.58							.84		.42	.30	.12					2.31
Ravenna, Lock No. 12[3] K.		.10	T.		T.	T.				T.						.76	.05	T.	T.				.19	1.00	.11	.08	.17					2.46
Richmond [3] K.		.20	.04												.10	.70	.30		.05				.30	.80			.35					2.84
Valley View, Lock No. 6[3] K.		.26	.04		.01											.70	.20		T.				.35	.71	.02		.30					2.59
Vanceburg, Dam No. 32[3] O.		.15	.38		.01				T.	.06					.07	.78	.13	.16	.04				.16	.91	.22		.39					3.43
Williamsburg[3] C.		.16	.02													.87	.08		T.				.16	1.24	.16	.08	.17					3.07
Willow, Lock No. 13[3] K.		.14	.18		T.										.50	.20	.07	.02					.20	.45	.72							1.62
Winchester K.	.03	.41		T																			.19	.67	.74		.25	T.				2.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. //Rain gages have windshields.

Daily Temperatures for January, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	58	57	43	35	25	32	42	48	41	45	41	57	54	50	52	55	52	41	31	46	57	55	47	42	41	49	41	33	32	38	48	44.5
	Minimum	38	37	30	21	13	11	16	19	32	20	28	21	27	35	37	46	39	21	13	24	29	42	35	36	27	35	29	29	28	28	26	28.1
Calhoun	Maximum	57	56	45	34	27	35	42	44	41	46	43	55	55	56	54	55	51	43	30	46	58	56	49	43	41	48	41	34	32	39	49	45.1
	Minimum	37	41	..	24	13	12	17	19	33	28	30	..	22	35	39	46	38	21	11	25	28	42	35	35	36	35	29	29	31	29	26	b29.0
Earlington	Maximum	57	56	46	38	29	36	43	45	44	47	51	60	56	56	56	55	51	41	34	51	60	57	49	48	43	49	45	33	32	38	53	46.9
	Minimum	38	42	33	25	15	13	16	19	34	21	31	23	31	38	43	48	41	33	14	24	28	42	37	38	31	38	31	30	30	30	30	30.5
Greenville	Maximum	55	55	44	39	35	30	45	45	45	47	45	58	55	53	55	56	49	40	33	48	57	55	49	42	40	49	46	38	32	38	51	46.0
	Minimum	36	40	30	25	11	10	15	20	31	19	30	20	29	33	40	46	40	20	10	22	25	41	34	35	27	35	28	27	27	27	26	27.8
Henderson	Maximum	57	56	44	36	26	33	43	42	40	46	42	57	54	52	53	56	50	41	34	47	58	56	45	41	39	46	40	33	31	41	47	45.3
	Minimum	42	40	29	23	12	9	17	20	32	21	30	24	30	35	38	46	39	19	10	24	30	45	34	34	25	35	29	28	28	28	24	28.4
Hopkinsville	Maximum	58	57	44	33	27	34	48	47	44	41	41	60	56	59	55	54	50	43	31	53	58	56	52	45	45	50	40	35	32	36	51	46.3
	Minimum	39	46	31	25	15	12	17	24	23	32	30	21	25	31	38	46	45	26	18	24	29	43	35	36	32	35	29	28	27	30	35	29.7
Lovelaceville	Maximum	56	54	51	48	38	34	46	50	50	50	48	59	57	65	62	57	51	39	34	53	59	59	51	46	45	48	44	34	35	41	54	49.0
	Minimum	48	44	32	27	18	16	22	26	35	20	30	22	29	40	45	46	39	28	14	28	29	46	36	38	34	40	32	29	29	30	36	31.2
Mayfield	Maximum	54	58	48	43	33	34	47	52	50	47	45	58	54	64	58	55	54	40	33	50	58	57	52	43	46	48	45	45	..	..	..	*49.0
	Minimum	38	44	33	30	18	11	22	30	33	20	30	27	36	40	45	49	40	21	15	26	35	44	37	38	35	40	32	21	28	29	30	31.4
Murray	Maximum	54	45	47	48	27	35	32	49	52	46	42	44	57	64	56	53	51	37	33	59	58	55	58	46	48	49	44	34	32	38	34	45.9
	Minimum	31	30	23	17	14	22	22	25	22	30	32	27	43	47	48	35	19	15	20	33	40	38	33	35	41	39	28	23	27	28	29.6
Owensboro	Maximum	55	53	45	34	28	30	41	40	41	44	40	54	52	52	54	54	54	48	27	51	56	55	49	41	41	45	40	32	36	38	48	44.8
	Minimum	50	39	29	21	12	11	18	18	31	21	30	22	29	34	38	48	48	19	11	25	29	41	37	33	24	34	28	28	24	27	28	28.5
Paducah (near)	Maximum	54	58	47	40	31	31	43	50	47	44	43	53	53	58	57	55	52	38	33	51	59	59	47	42	43	44	34	35	33	41	50	46.0
	Minimum	46	43	34	29	19	16	24	32	35	23	32	25	32	40	44	48	37	22	15	28	33	46	37	38	34	39	32	30	30	30	29	32.2
Princeton	Maximum	52	57	45	41	29	34	45	46	45	47	41	59	55	61	55	55	51	40	33	49	56	56	51	43	42	48	43	33	32	39	58	46.5
	Minimum	41	42	32	29	13	10	17	24	34	22	31	24	35	38	45	48	40	21	11	26	28	44	35	35	32	37	30	28	28	29	29	30.5
Russellville§§	Maximum	56	57	44	36	25	32	47	60	40	46	38	56	55	55	53	58	49	30	32	47	57	55	59	44	45	50	38	33	32	39	51	45.9
	Minimum	49	45	29	26	15	10	11	16	21	20	22	21	26	32	35	42	45	28	9	14	25	31	35	35	32	32	29	22	26	26	28	27.0
Central Division.																																	
Anchorage	Maximum	59	56	49	39	20	32	39	51	42	39	39	53	41	39	49	51	51	46	26	40	52	51	49	36	40	45	46	32	30	36	44	42.6
	Minimum	35	35	30	19	10	10	15	20	31	20	23	21	25	32	34	45	38	24	16	17	25	37	35	38	34	33	31	30	29	23	27	27.0
Bowling Green	Maximum	48	59	49	40	32	35	44	52	44	43	42	54	57	58	53	53	55	58	42	36	45	56	56	55	48	42	50	50	38	34	38	46.9
	Minimum	38	42	33	28	15	11	16	22	34	32	31	21	27	36	37	35	40	23	15	22	26	40	36	36	31	34	30	30	28	27	30	29.2
Clermont	Maximum	60	52	42	32	22	..	31	43	53	40	41	40	55	59	42	49	57	56	31	30	43	58	51	40	39	48	37	33	33	32	26	42.8
	Minimum	56	31	30	12	3	..	6	12	39	11	30	21	20	32	36	46	47	29	9	22	18	41	35	34	30	30	31	29	27	29	28	27.8
Danville	Maximum	62	63	45	36	36	32	41	53	45	40	37	56	55	49	49	55	53	45	30	41	57	58	52	42	49	47	35	32	35	42	45.4
	Minimum	34	43	32	23	18	8	12	19	33	21	28	21	27	31	30	45	45	26	15	18	27	56	35	36	31	32	31	27	27	27	31	28.0
Dix Dam	Maximum	61	61	45	39	26	31	43	52	49	53	40	54	54	44	48	56	54	50	31	42	58	55	52	42	38	48	47	35	31	35	42	45.6
	Minimum	36	45	35	26	14	11	15	21	22	21	32	24	28	33	33	46	42	32	17	19	28	38	37	38	33	34	34	30	30	30	33	29.4
Eubank	Maximum	57	62	49	42	30	36	45	54	39	49	36	55	57	59	63	59	54	47	43	46	48	52	49	49	46	50	49	39	36	34	46	47.7
	Minimum	37	38	24	22	12	11	13	19	21	25	20	19	24	33	36	37	36	24	17	19	22	36	37	34	34	34	31	26	26	26	32	26.6
Frankfort	Maximum	62	62	45	40	26	26	40	53	46	41	43	58	55	45	49	55	60	47	32	44	58	58	52	43	38	43	40	35	35	38	46	45.8
	Minimum	38	40	32	24	10	8	13	19	34	35	29	19	22	32	29	43	46	27	15	17	26	32	35	34	31	33	32	28	28	30	30	27.4
Glasgow	Maximum	59	62	50	..	..	23	48	52	54	42	42	55	59	59	54	53	55	47	36	47	58	58	56	50	45	53	52	35	35	37	46	b49.2
	Minimum	38	49	33	..	..	13	16	20	34	26	27	21	26	36	37	47	46	28	17	23	27	37	37	39	35	35	32	30	28	28	31	b30.7
Greensburg	Maximum	60	63	45	41	27	33	43	53	48	42	40	54	60	56	50	55	55	46	30	45	58	58	58	48	43	52	51	34	34	36	46	46.8
	Minimum	35	42	30	20	14	8	11	17	32	18	28	16	21	32	32	46	43	24	15	19	21	35	35	36	32	34	30	28	26	26	26	27.0
Irvington	Maximum	58	56	41	35	22	30	40	52	42	40	38	52	58	42	50	54	51	39	37	43	57	58	44	39	38	47	36	32	31	37	44	45.0
	Minimum	36	34	27	19	11	10	15	20	30	20	26	21	28	32	32	45	37	20	11	21	27	40	34	32	28	34	29	28	27	27	28	26.7
Leitchfield	Maximum	..	..	..	..	..	..	44	44	41	40	57	57	50	50	58	51	43	31	48	60	55	52	43	40	48	48	34	32	36	49	f46.1
	Minimum	..	..	..	..	..	..	11	33	22	29	22	31	33	36	46	45	22	13	24	29	42	35	34	27	33	29	28	27	27	30	f29.6
Lexington	Maximum	61	61	43	32	22	30	43	53	40	38	35	51	49	41	45	52	49	38	29	41	55	49	40	38	36	45	38	30	30	32	42	41.7
	Minimum	37	36	28	17	11	9	16	24	31	24	25	22	29	31	34	45	38	21	15	21	26	39	35	33	31	32	28	27	27	26	27	27.3
Louisville	Maximum	58	58	42	36	20	33	41	49	43	41	37	53	42	42	50	58	52	38	27	40	56	53	42	38	40	45	37	34	32	39	44	42.4
	Minimum	39	38	33	20	12	14	21	28	32	26	29	27	34	34	34	48	38	20	16	26	30	38	36	33	30	36	31	31	30	30	30	29.8
Do. Bowman Field	Maximum	60	56	41	35	19	31	40	50	43	40	36	54	41	39	49	52	50	37	27	41	55	52	40	37	37	44	34	33	31	37	43	41.4
	Minimum	36	37	31	19	12	13	18	22	31	25	25	25	28	32	31	46	37	20	14	28	28	38	35	33	31	34	31	30	29	29	28	28.0
Mammoth Cave	Maximum	59	59	44	33	24	32	46	53	41	41	39	55	56	51	50	53	50	50	30	45	59	54	47	44	48	50	34	34	32	36	47	44.5
	Minimum	34	39	28	25	10	7	10	15	17	20	20	17	18	27	35	42	46	28	15	25	33	35	35	30	32	30	28	26	26	18	25.4
St. John	Maximum	58	56	48	36	25	30	42	51	45	40	39	54	54	54	48	51	52	44	30	42	56	53	52	41	39	47	47	33	33	35	45	44.4
	Minimum	37	39	30	22	12	10	15	20	33	20	28	21	21	32	34	45	42	22	12	26	27	39	34	33	30	33	30	28	27	27	30	27.5
Shelbyville	Maximum	59	58	41	36	28	31	41	50	43	38	38	54	47	39	48	51	50	43	27	39	55	52	49	38	36	43	45	32	31	35	43	42.4
	Minimum	33	38	28	19	8	17	18	19	31	26	26	18	24	29	30	43	42	28	15	28	26	42	32	29	26	29	26	25	24	24	25	25.8
Smith's Grove	Maximum	58	61	45	34	26	34	47	50	40	42	43	57	49	51	54	50	48	31	43	58	55	49	45	40	51	37	34	31	37	48	44.8
	Minimum	40	33	27	18	15	13	18	24	31	22	28	21	28	37	44	46	38	20	17	25	29	40	37	38	33	34	31	30	28	28	28	28.9
Stearns	Maximum	58	64	41	38	25	34	45	54	42	42	36	57	61	59	49	56	51	39	30	45	56	54	52	52	38	50	40	31	34	34	45	45.5
	Minimum	38	39	25	17	10	7	14	22	30	25	22	18	29	37	43	45	39	22	18	18	25	39	39	37	34	34	29	26	22	22	27	27.5
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	57	58	42	36	21	30	36	49	48	38	35	51	47	38	48	50	51	46	35	37	54	48	50	45	35	39	43	39	31	36	41	42.0
	Minimum	35	40	31	20	7	7	14	26	33	26	29	22	27	29	30	41	45	27	13	17	21	40	33	30	28	31	30	28	27	26	27	27.0
Eastern Division.																																	
Annville	Maximum	61	62	47	37	23	33	44	51	42	40	36	54	58	41	48	60	54	49	31	40	55	55	51	51	42	49	49	34	31	34	44	45.4
	Minimum	29	45	26	16	9	8	10	18	29	25	27	15	18	31	25	40	45	26	12	13	17	26	38	37	32	33	31	25	25	28	27	25.0
Ashland	Maximum	57	62	57	37	26	32	40	52	50	40	38	54	45	40	40	58	57	53	38	37	59	57	55	46	44	40	42	35	33	37	48	45.0
	Minimum	30	44	37	22	14	8	14	26	30	30	31	23	26	29	27	37	40	32	26	17	16	30	38	35	30	32	35	24	27	31	35	27.9
Berea	Maximum	60	62	47	35	25	32	41	50	56	39	38	54	55	47	49	57	55	50	30	42	56	54	52	50	40	49	49	31	34	35	41	45.0
	Minimum	33	34	32	21	12	11	9	25	32	26	28	21	32	32	38	45	46	28	15	16	19	48	35	37	33	30	26	25	26	27	30	27.9
Farmers	Maximum	57	50	39	25	18	28	40	47	47	39	32	51	36	38	42	55	51	51	31	36	51	51	41	38	38	40	38	33	31	34	38	40.2
	Minimum	30	46	35	19	13	4	10	18	32	24	29	18	22	31	29	41	46	30	18	14	17	28	37	35	32	32	33	26	28	33	32	27.0
Heidelberg	Maximum	59	62	52	38	26	31	43	54	43	42	39	57	59	53	44	59	55	52	32	40	57	57	51	48	42	48	48	35	33	36	45	46.5
	Minimum	31	32	38	19	11	5	9	15	31	24	31	19	22	34	28	41	38	38	21	16	17	30	41	39	36	35	35	29	29	24	32	27.4
Lynch [near]	Maximum	56	48	49	..	..	28	34	43	44	30	30	44	46	45	47	49	48	43	35	43	45	41	49	56	51	46	46	47	40	31	51	46.0
	Minimum	38	39	22	..	..	0	15	25	25	11	16	18	30	35	38	38	34	24	8	9	21	31	37	34	36	24	23	16	15	18	19	b28.7
Maysville	Maximum	55	60	46	37	22	32	37	47	46	38	38	52	40	41	42	53	52	47	31	35	55	50	50	37	35	38	43	33	32	35	41	41.7
	Minimum	33	45	36	21	12	7	13	20	35	29	31	22	24	32	32	39	43	31	18	16	18	30	36	34	31	33	33	27	29	30	32	28.1
Middlesboro	Maximum	58	61	60	48	40	37	42	50	49	45	45	54	58	59	60	63	59	52	44	43	53	54	60	58	54	50	58	40	38	40	46	51.1
	Minimum	33	49	36	20	15	9	14	16	28	22	31	17	21	36	30	46	49	34	22	14	20	31	44	45	37	38	35	28	28	30	24	28.7
Mount Sterling	Maximum	61	61	42	34	20	31	40	49	42	39	40	52	48	43	44	57	53	45	32	38	54	52	47	44	37	43	47	36	33	41	43	45.0
	Minimum	34	37	28	20	12	8	15	20	33	27	28	22	27	35	33	48	40	27	16	17	22	39	36	32	31	31	30	26	27	28	29	27.5
Pikeville	Maximum	56	66	46	42	26	33	44	48	42	42	40	59	57	47	49	61	68	46	38	39	55	61	48	53	38	49	47	34	35	41	44	46.8
	Minimum	33	45	26	18	12	9	13	19	29	27	31	28	26	30	30	42	37	30	18	17	19	29	40	38	35	35	33	30	28	28	30	27.5
Pippapass	Maximum	61	65	52	40	26	34	47	45	43	40	37	59	55	41	53	58	45	38	42	59	55	59	52	46	44	50	41	35	40	42	46	46.7
	Minimum	30	46	36	24	12	6	11	15	27	24	31	20	26	35	29	42	43	34	21	15	22	29	43	38	35	33	30	27	30	21	28	28.1
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Richmond	Maximum	60	41	26	20	14	6	10	16	28	27	29	20	34	32	28	41	38	38	18	15	16	27	40	39	34	34	34	27	28	22	31	27.5
	Minimum	65	60	52	40	32	35	40	50	38	40	37	55	52	45	48	54	55	45	35	45	35	56	42	40	47	45	38	34	34	37	45	44.9
Williamsburg	Maximum	40	52	34	32	14	10	17	26	37	26	30	24	37	34	36	44	45	35	17	20	26	42	38	38	34	34	33	28	28	28	32	31.2
	Minimum	60	66	51	42	31	35	45	54	49	46	48	37	60	57	56	60	58	53	38	45	55	56	52	50	45	52	52	42	34	37	47	48.8
	Minimum	36	52	35	21	13	20	18	19	27	28	26	19	29	37	33	47	46	32	26	17	24	34	44	42	36	38	34	28	25	26	31	29.5
Winchester	Maximum	60	62	41	35	32	30	42	51	44	39	35	53	48	42	44	55	52	45	28	40	54	50	49	40	37	45	46	31	30	38	40	43.4
	Minimum	34	39	30	19	10	7	12	24	32	25	28	22	26	30	31	43	44	26	15	17	28	40	35	35	31	30	31	25	26	27	30	27.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., FEBRUARY, 1941 No. 2

GENERAL SUMMARY.

Variable temperature conditions, with the average near normal, prevailed during the first half of the month. Night temperatures were low enough to prevent growth. Some plowing occurred on the warmer days, mainly in the southwestern counties. The weather of the last two weeks was decidedly cold, with temperatures for the period averaging from 8° to 10° below normal. The ground remained frozen practically all of the time, which prevented plowing and adversely affected the preparation of tobacco plantbeds. Some beds were sown in the southwestern districts, but little work of this character could be accomplished in most of the State. Preparations for early gardening remained in abeyance. Except for cleaning up fields and other preliminary outdoor activities, for which the dry weather was favorable, very little progress was possible in farm or garden work. Even these efforts were made uncomfortable on several days by the severe cold.

Precipitation was very light, causing no run-off of consequence and leaving no excess moisture in the upper soil at any time. Although considerable freezing and thawing occurred in the first half, the lifting effect on winter grains, clover, and alfalfa was slight on account of the relative dryness of the top soil. The severe weather of the last decade froze down the tops of grains and caused discoloration; but there was no damage of consequence to the crown or roots of the plants. Except for this deterioration in the appearance of fields, the condition of grains remained generally good at the end of the month. There was light snow cover on the last three days. It was heaviest in the eastern counties, but was not sufficient anywhere to be of importance as protection for grains.

Construction activities, which were unusually extensive, were greatly advanced by the dry weather; although low temperatures at times delayed concrete work. The very brief warm intervals early in the month had no effect on fruit buds, which remained entirely dormant. While inclemency of weather was usually lacking and livestock did not suffer materially in the open, the young animals that appear at this time of the year required more protection than usual on account of the cold.

TEMPERATURE.

Temperatures near the average prevailed during the first six days. In the three-day cold spell that followed minima ranged from 10° to 15° at most stations. The maxima for the month occurred in the brief warm interval that centered about the 12th. After the middle of the month temperatures continued uniformly low. In the last decade deficiencies varied from 9° to 16° on most days. Maximum temperatures were relatively lower than minima, due largely to the prevalence of northerly winds. Temperatures in the State ranged from a maximum of 68° at Leitchfield on the 12th to a minimum of 3° at Lynch (near) on the 20th.

PRECIPITATION.

The precipitation averaged about one-fifth of the normal amount for this month. A considerable district that extended irregularly eastward from Jefferson and Hardin counties to the lower Big Sandy received only one-half inch of less. One inch or slightly more occurred at widely scattered southern stations and in a few extreme western localities. In other districts, which comprised most of the States, amounts varied between 0.5 and 0.8 inch. The range for the State was from 0.22 inch at Greenup to 1.75 inches at Lovelaceville. Light to moderate rain on the 13-14th was the only precipitation of much consequence. Scattered precipitation which was mostly snow occurred in the periods 1st-3d, 8-9th, and 16-18th. Snow in light to moderate amounts also fell on the last three days. The total snowfall was 1.0 inch or less in the south-central counties, 2.0 to 4.0 inches in western and northern districts, and 3.0 to 5.0 inches in most of the mountain section. A thunderstorm occurred on the 3d in some parts of the Bluegrass Region.

MISCELLANEOUS.

March 3.—A windstorm injured two persons in Lincoln County when their residence blew over, and caused some damage to roofs in Marion County.

Rivers:—The Ohio declined to pool stage during the first week from a moderate rise in the preceding month, and remained low thereafter. All streams of the State were unusually low for this time of year.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.12	30.61	20	29.48	18	9.8	27	se.	13	72	54	..	59
Cincinnati ..... Ohio	30.08	30.43	20	29.63	8	9.2	33	w.	17	77	51	65	50
Evansville..... Ind.	30.04	30.40	20	29.46	18	9.6	36	nw.	17	78	67	64	56
Louisville ..... Ky.	30.09	30.46	20	29.68	18	10.0	33	s.	18	76	53	63	62

COMPARATIVE DATA FOR FEBRUARY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	34.1	74	3	1.91	....	..	..	..	..
1890	45.6	86	16	7.98	....	..	..	..	..
1891	42.2	76	0	4.72	....	..	..	..	..
1892	42.2	70	11	2.92	....	..	..	..	..
1893	37.7	70	3	4.40	....	..	..	..	..
1894	34.6	74	2	4.66	....	..	..	..	..
1895	25.9	80	−18	0.66	....	5	12	8	8
1896	37.4	81	− 2	3.06	....	9	9	8	12
1897	39.8	76	18	5.75	1.2	11	8	7	13
1898	37.4	77	− 8	1.61	2.6	6	10	8	10
1899	26.2	71	−30	3.97	10.8	11	9	6	13
1900	32.5	76	− 9	4.68	7.0	12	7	8	13
1901	32.4	71	1	1.27	2.1	6	10	7	11
1902	27.9	69	− 3	1.30	2.8	7	10	6	12
1903	37.5	75	−16	7.28	6.1	9	11	4	13
1904	35.2	75	− 2	2.32	2.6	7	11	8	10
1905	27.9	67	−16	2.44	3.9	9	10	5	13
1906	34.7	75	−12	1.81	5.9	7	16	5	7
1907	35.7	73	−10	3.06	7.6	9	11	5	12
1908	35.6	70	2	5.56	3.1	13	9	5	15
1909	42.4	76	− 8	8.17	1.0	11	12	4	12
1910	32.9	66	−12	4.70	11.9	10	12	4	12
1911	42.0	80	11	8.25	0.4	9	10	4	14
1912	29.7	68	−14	3.08	3.3	7	10	6	14
1913	34.8	77	− 2	2.94	1.4	7	14	5	9
1914	32.2	69	− 2	4.14	7.2	11	10	6	13
1915	41.9	75	13	1.74	0.2	8	9	6	13
1916	35.0	72	− 4	2.99	5.0	9	11	6	12
1917	34.8	80	− 9	3.51	4.7	8	9	8	11
1918	39.3	83	− 8	2.04	0.6	7	11	7	10
1919	38.6	69	12	1.79	1.1	9	11	5	12
1920	35.7	71	0	2.27	3.8	9	8	5	16
1921	41.8	77	11	3.20	8.9	19	8	6	16
1922	41.3	76	4	3.58	0.8	10	8	6	14
1923	34.6	74	− 4	4.67	1.6	10	10	5	13
1924	36.0	71	9	2.56	1.9	9	9	6	15
1925	44.0	76	8	3.91	0.6	9	12	6	10
1926	41.1	70	4	3.14	1.4	19	8	7	13
1927	45.6	81	16	2.65	4.2	11	10	6	12
1928	38.1	72	5	2.48	1.0	10	11	4	14
1929	31.2	68	−14	3.68	12.6	9	10	7	11
1930	45.1	80	2	3.49	0.5	8	11	7	10
1931	41.6	76	12	3.20	0.8	8	12	4	12
1932	46.7	82	13	3.36	T.	8	14	5	10
1933	37.5	75	− 9	4.25	4.4	12	13	5	10
1934	31.8	72	−19	2.20	8.0	7	12	7	9
1935	40.1	73	5	2.86	0.6	8	9	7	12
1936	32.1	79	−14	1.95	5.5	9	12	5	12
1937	38.8	78	11	2.40	4.2	10	8	8	12
1938	45.7	77	8	2.39	0.6	11	7	6	16
1939	40.3	79	− 6	8.03	4.0	14	9	5	14
1940	36.1	68	2	4.56	5.6	13	6	6	17
1941	33.1	68	3	0.66	2.1	6	11	7	10
Period †	37.0	86	−30	3.41	3.7	9	10	6	12

†53-year averages.

Climatological Data for February, 1941.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	29	33.4	− 2.8	62	12	14	8†	27	0.40	−2.78	0.36	0.2	2	7	7	14	nw.	Eldred G. Young.
Calhoun	McLean	437	37	[b]33.8	− 5.3	62[b]	13	16[b]	8†	37[b]	0.66	−2.66	0.48	0.6	4	14	3	11	.....	R. C. Bennett.
Earlington	Hopkins	420	47	34.6	− 3.2	64	12	14	23	36	0.78	−2.75	0.31	2.9	5	12	6	10	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	0.99	−1.59	0.74	1.5	6	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	0.67	.....	0.31	.....	7	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	33.4	− 6.6	64	12	13	9	33	0.61	−2.60	0.40	.....	4	12	6	10	n.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	0.38	.....	0.16	1.2	7	12	7	9	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	33.2	.....	62	12	12	8	39	0.53	−2.18	0.46	1.0	4	9	11	8	n.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	34.4	− 4.8	62	12	11	9	31	1.27	−2.35	0.60	5.0	7	12	9	7	n.	W. K. Morris.
Lovelaceville	Ballard	479	12	36.8	− 3.6	63	12	16	8†	36	1.75	−1.97	1.60	2.0	4	12	9	7	n	Blaine Malone.
Mayfield	Graves	364	32	*36.4	− 3.6	60[a]	11†	16[a]	8	29[a]	0.67	−2.71	0.31	2.2	5	8	14	6	n.	Mrs. Joe Payne.
Murray	Calloway	412	15	36.0	− 4.6	62	12	14	18	30	1.68	−2.22	0.83	2.5	2	2	2	24	n.	Ralph B. Wear.
Owensboro	Daviess	420	44	31.8	− 4.7	60	11	13	8†	33	0.83	−2.02	0.66	T.	4	13	6	10	nw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	0.62	−2.00	0.52	2.0	6	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	36.4	− 5.2	64	12	17	8	31	1.38	−1.93	0.98	1.5	6	17	6	5	.....	Joe Lagore.*
Princeton	Caldwell	529	34	35.0	− 2.8	63	12	9	8	31	0.61	−2.88	0.35	3.0	7	8	9	11	n.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	0.64	−2.58	0.50	0.9	7	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	32.2	− 6.1	60	12	10	8	30	0.63	−2.8	0.40	0.6	4	10	8	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	0.64	−1.68	0.38	3.8	5	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	13	.....	.....	.....	.....	.....	.....	.....	0.75	−1.91	0.57	1.1	6	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	[a]31.2	− 5.3	62[a]	12	10[a]	20	34[a]	0.70	−2.16	0.26	0.5	3	11	5	12	nw.	C. E. Barret.
Bowling Green	Warren	500	45	36.4	− 2.6	59	6†	15	8	35	0.79	−2.83	0.50	1.2	6	16	5	7	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	0.67	−3.30	0.50	0.6	8	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	1.13	−2.67	0.55	1.5	8	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	0.51	−2.09	0.45	.....	2	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	.....	.....	64[a]	12	.....	.....	.....	.....	.....	.....	.....	.....	15	5	8	nw.	R. F. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	0.75	−1.64	0.57	1.0	7	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	32.8	.....	62	12	10	20	34	0.51	−2.62	0.26	1.8	9	13	3	12	w.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	34.2	− 6.1	61	12	11	20	35	0.54	−2.43	0.30	1.9	6	13	2	13	nw.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	0.54	.....	1.30	1.0	4	.....	.....	.....	.....	Joe Norlleet.
Eubank	Pulaski	1177	46	33.2	− 5.0	59	13	10	9	35	0.62	−2.77	0.30	0.4	4	9	7	12	n.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	33.4	− 3.4	63	12	9	20	40	0.53	−2.61	0.41	0.8	5	8	6	14	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	0.65	−2.39	0.61	.....	2	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	35.4	− 6.2	61	12	13	8	34	0.48	−3.05	0.30	0.9	6	8	17	3	w.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	0.53	−1.72	0.35	1.5	4	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	33.4	− 2.9	62	12	11	23	33	0.66	−2.95	0.33	T.	9	6	2	20	w.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	0.47	−2.61	0.21	1.8	7	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	31.9	− 4.8	62	12	11	20	32	0.57	−2.57	0.45	1.7	6	12	8	8	nw.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	0.61	.....	0.29	0.5	8	17	3	8	.....	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	0.40	−2.56	0.24	.....	3	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	34.3	− 2.1	68	12	12	8	33	1.03	−2.29	0.32	4.0	6	3	11	14	w.	D. Lem Hughes.
Lexington	Fayette	989	57	31.3	− 4.1	60	12	9	20	26	0.84	−2.78	0.41	3.5	8	.....	.....	.....	.....	U. S. Weather Bureau.
LittleHickman, Lock 8¶	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	0.48	−2.88	0.28	1.0	3	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	0.77	−2.10	0.62	1.5	4	.....	.....	.....	.....	Lockmaster.
Louisville	Jefferson	459	68	32.8	− 4.4	61	12	13	20	28	0.45	−3.10	0.33	1.0	6	9	8	11	nw.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	3	31.6	.....	62	12	12	20	31	0.53	.....	0.41	2.4	8	8	10	10	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	30.9	.....	62	12	8	23	40	0.73	.....	0.57	0.9	6	15	3	10	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	0.92	.....	0.44	2.5	8	13	7	8	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	0.55	−3.05	0.38	0.7	5	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	45	32.4	− 3.0	60	12	8	8†	30	0.45	−3.17	0.24	2.1	5	13	7	8	.....	Sisters of Loretto.
Salvisa, Lock 5¶	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	0.56	−2.58	0.35	1.3	6	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	30.6	− 3.5	62	12	7	20	33	0.75	−2.65	0.30	2.2	5	9	4	15	sw.	Willis S. Ratts.
Smith's Grove	Warren	607	3	33.2	.....	61	12	14	8	29	0.88	.....	0.56	2.3	8	3	14	11	nw	C. W. Cuernsey.
Stearns	McCreary	1400	5	32.4	.....	62	12	13	20†	31	0.72	.....	0.25	.....	9	8	3	17	w.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	0.46	−2.64	0.28	1.8	7	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	31.8	− 2.0	62	12	7	20	31	0.93	−2.78	0.39	0.9	4	15	5	8	w	Mrs. Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	0.57	−2.94	0.49	0.8	5	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	31.2	.....	60	12	6	20†	40	0.58	.....	0.25	8.3	6	11	7	10	nw.	W. A. Worthington.
Ashland	Boyd	534	24	33.6	− 4.1	62	12†	10	19†	37	0.29	−2.79	0.12	2.0	4	12	4	12	nw.	Lockmaster.
Berea	Madison	1070	38	*33.4	− 5.4	62[a]	13	9[a]	20	34[a]	0.59	−2.60	0.20	2.6	6	12	4	12	w.	Esther M. Ambros.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	0.26	−2.67	0.10	1.5	4	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	0.50	−2.66	0.34	1.6	5	.....	.....	.....	.....	S. M Hill
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	0.70	−2.29	0.45	1.4	6	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	30.6	− 6.3	59	12	11	19†	33	0.46	−2.64	0.13	3.5	7	8	10	10	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	0.61	−2.48	0.26	.....	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	0.56	−2.47	0.19	3.1	6	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	0.22	−3.61	0.12	2.5	3	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	0.83	−2.63	0.30	.....	7	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	33.2	.....	63	12	6	20	42	0.41	−2.65	0.24	3.5	8	9	6	13	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	0.61	.....	0.25	4.0	7	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	0.95	−2.87	0.37	3.5	8	.....	.....	.....	.....	R. J Howard.
Louisa	Lawrence	558	38	.....	.....	.....	.....	.....	.....	.....	0.45	−2.31	0.12	1.0	5	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	[b]21.7	.....	48[b]	17	3[b]	20	28[b]	.....	.....	.....	.....	11	2	15	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	32.3	− 2.8	63	12	9	20	36	0.59	−2.61	0.33	2.8	8	9	9	10	w.	Lockmaster.
Middlesboro	Bell	1128	42	35.2	− 4.6	60	13	12	19†	31	1.08	−2.54	0.36	2.5	6	14	11	3	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	31.0	− 3.3	61	12	9	20	30	0.91	−2.70	0.23	1.5	8	13	5	10	nw.	W. R McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	0.58	−2.05	0.46	2.2	6	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	0.56	.....	0.19	5.1	11	.....	.....	.....	.....	E. O Fraley.
Pikeville	Pike	636	5	33.4	.....	63	13	12	20	36	0.73	−2.41	0.13	4.0	14	6	10	12	w.	U. S Weather Bureau.
Pippapass	Knott	1035.	7	34.6	.....	65	12	9	20	38	0.88	.....	0.35	5.2	7	10	5	13	w.	Caney Run Com. Cen.
Quicksand	Breathitt	732	15	.....	.....	.....	7	20	.....	.....	0.39	−3.31	0.20	2.0	3	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	0.42	−2.65	0.19	2.5	4	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	32.7	− 4.1	62	12	10	20	26	0.63	−2.55	0.20	.....	7	12	9	7	.....	L. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	0.67	−2.70	0.40	2.0	5	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	0.48	−2.95	0.17	.....	7	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	44	34.4	− 5.0	59	12	11	23	33	0.53	−2.98	0.22	2.7	5	12	6	10	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	0.40	−2.48	0.21	3.7	5	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	961	4	31.8	.....	62	12	8	20	30	0.59	.....	0.11	5.2	8	4	15	9	.....	Airway Station.
State averages and extremes				33.1	− 3.9	64	12	3	20	42	0.66	−2.75	1.60	2.1	6	11	7	10	w.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, [a], [b], etc., appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for February, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G							T.	T.					.36											T.		.04	T.					0.40
Calhoun O							T.	T.					.48	.06												.06	.06					0.66
Earlington G		.03	T.				T.	T.					.14	.31								T.					.07	.23				0.78
Fords Ferry Dam 50[3] O		T.	T.				T.	T.	T.				.10	.74			.01					T.			T.		.05	.69				0.99
Gilbertsville[4] T		.09	.02				.02						.10	.31													.02	.11				0.67
Greenville G		T.											.40	.12												T.	.05	.04				0.61
Hartford G		.02					.01	.01					.16	.06		T.										.04	.08					0.38
Henderson O							T.	.02					.46													.04	T.	.01				0.53
Hopkinsville[2] C		.07						.20	.07				.04	.60													.07	.22				1.27
Lovelaceville M	.06							T.					1.50													.01	.19				1.75
Mayfield M	.14							T.					.81			T.						T.				.02	.10	.10				0.67
Murray T													.83			T.												.25				1.08
Owensboro O		T.				T.	T.	T.					.56	.18		T.										.05	.04					0.83
Owensboro, Dam 46 [3] O						T.	.02	.01					.01	.52			T.										.05	.01				0.62
Paducah[3] O		.10				T.	.01	T.					.14	.98			T.					T.			T.		.03	.12				1.38
Princeton G		.04					.06						.35	.06												.02	.01	.07				0.61
Ramsey, Lock No. 2 [3] G	.01						.01	.01					.02	.50													.05	.01				0.61
Russellville [3] G		.07	T.											.40													.13	.03				0.63
Uniontown, Dam 49[3] O		T.					.02						.06	.38			T.					T.					.05	.13				0.64
Central Division																																
Addison, Dam 45. [3] O				T.		.01	.02	T.					.01	.57			.10										.02	.02				0.75
Anchorage O					T.	T.	T.						.60			T.	T.									.05	.05					0.70
Bowling Green G		.10				T.	.01				T.		.50													.08	.05	.05				0.79
Bowling Green No. 2[3] G		.06				T	T.	T.					.04	.46													.11	T.				0.67
Brownsville, Lock No. 6[3] G		.04	.01				.02	.02					.02	.50													.04	.02				0.67
Burnside[3] C		.05					.07	.03	T.					.55			.03								.05	T.	.25	.10				1.13
Carrollton Lock No. 1[3] K							T	T.						.45				.06														0.51
Clermont S																																
Cold Spring, Dam 36[3] O			T.		.02		.04	.02	T.					.57			.06	.02				T.	T.				.02	T.				0.75
Danville[3] K			.02				.06	.02	.01					.26			.01							T	.03		.08	.02				0.51
Dix Dam, Burgin K						.06	.03						.30			.05										.07	.03					0.54
Eadsville [3] C		.05				T.	T.							.39											T.		.05	.05				0.54
Eubank C								.04	.14																.14			.30				0.62
Frankfort, Lock No. 4[3] K				.02			.02	T	T.					.41			.03					T.				.05	T.					0.53
Gest, Lock No. 3 [3] K					T.		T.	T.						.61			.04									T.	T.					0.65
Glasgow G	.03						.02	.02						.30											.01		.10	T.				0.48
Grant, Dam 39[3] O					.05		T							.38			.10					T.					.03	T.				0.53
Greensburg [2] G		.05					T.	.06					.02	.33			.04								.05	.02	.08	.01					0.66
High Bridge, Lock No. 7[3] K					T.		.04	.05	.07					.21			.03						T.				.05	.02				0.47
Irvington O							.02	.02	T.				.45	T.		.03										.03	.02	T.				0.57
LaGrange O					.01		.01	.01					.20	.29			.08								T.	.02	.04					0.61
Lancaster[3] K						.06							.24													.10						0.40
Leitchfield [2] G		.03					.05	.30	T.				.30	.32													.09	T.				1.09
Lexington ‡ K		T.	T.		.03		.10	.06					.29	.12		.09	T.					T.				.07	.08	T.				0.84
Little Hickman, Lock No. 8 [2]// K							.08	T	T.					.28													.12					0.48
Lockport, Lock No. 2 [3] K					.04		T.	.04						.62													.07	T.				0.77
LOUISVILLE [1] ‡ O		T	T.	T.	.01	T	T.	T.	T.				.32	.01		.01	T.					T.		T.		.07	.03	T.				0.45
Do. Bowman Field O	T	T.	T.	T.	.01	.01	.01	T.	T.				.41	.01		.01	T.					T.		T.		.03	.01	.03				0.53
Mammoth Cave[2] G		.07	T				.03	.02	T.				.01	.57			T.								T.		.09	T.				0.79
Monticello [2] C					.05		.08	.05						.44			T.								.05	.05	.10	.10				0.92
Munfordville [2] G		.03	T				T	.03	T.					.38											T.		.09	.02				0.55
St. John S							T.	.08	T.				.10	.24		T.										.01	.02					0.45
Salvisa, Lock No 6 [2]‡ K					T.		.08	.03						.35			.04										.04	.02				0.56
Shelbyville S					T.		T.	.02	T.				.28	.30		T.							T.			T.	.14	.01				0.75
Smith's Grove G	T.	.04				T.	.02	.10	T.				.56	.06		.02						T.		T.		.06	.02	T.				0.88
Stearns C		.04					.04	.01					.25	.17		T.						T.		.05	T.	.08	.07	.01				0.72
Taylorsville S																																
Tyrone, Lock No. 5 [2]‡ K					.03		.03	.02	.01					.28			.03										.06	T				0.46
Williamstown L					.05		.03	.04					.29	.39			.12										.05	.02				0.93
Woodbury, Lock No. 4[2] G		.03	.01					T.	T.				.01	.49													.03	T.				0.57
Eastern Division																																
Annville C		.01					.04	.03	T				.07	.18			T.								T.	T.	.25	T.				0.58
Ashland [2] O							.03							.04			10										.12	T				0.29
Berea K		.04					.08	.10				T.		.20													.16	.01				0.59
College Hill, Lock No. 11[2] K					.01		.03	T.	T.					.10			.07										.05	T				0.26
Cynthiana [2] L						.03		.03						.34		.07											T.	.03				0.50
Falmouth[2] K					.05		.05	.03	T.					.45			.11	T.				T.					.01	T.				0.70
Farmers [2] L					.04		.05	.08						.13			.05	T.				T.					.10	.02				0.46
Flemingsburg [2] L					.07		.06	.07						.26			.09										.02	.04				0.61
Ford, Lock No. 10 [2]‡ K			T.	T.	.03	T.	.06	.10	T.	T.				.19	T.		.07	T.				T.	T.		T.		.05	T.				0.50
Grayson [2] O																																
Greenup, Dam 30[2]// O							T.	T						.02			.08										.12					0.22
Hazard [2]// K							.04	.04						.20		.12									.05		.08	.30				0.83
Heidelberg, Lock No. 14[2] K					.02		.01	.01						.06			.03										.24	.03				0.41
Jackson [2] K					.02		.05		.05					T.	.04		.08								T.		.25	.15				0.64
Jenkins[2] B					.04	.02	.03	.07					.12	.25											.05			.37				0.95
Louisa [2]														.10	.06		.07										.10	.12				0.45
Lynch [near] C																																
Maysville, Dam 33[2] O					.02		.05	T						.33	.01		.11	.01									.01	.05				0.59
Middlesboro C		.05					.10							.36												.13	.29	.15				1.08
Mount Sterling L					.06		.11	.04					.23	.11		T.	.08									T.	.09	.19				0.91
Oneida [2]†																																
Oneonta Dam 35 [2] O			T.		.03		.02	.02	T.					.16	T.		.04	T.					T.		T.		.01	T.				0.58
Palmtsville [2] B			T.		.08	T.	.01	.03	.01		T.			.02	.03	T.	.04	T.					T.	.03	.02		.19	.04				0.50
Pikeville B		T.	T.	T.	.06		.06	.04	T.				T.	.11		.06	.11						.02	.03	.09	.13	.02					0.73
Pippapass K		.02		T.	.05		T.	.08						.25			.09							T.	T.	.35	.04					0.88
Quicksand[2] K							T.							.14	T.											.20	.05					0.39
Ravenna, Lock No. 12[2] K				T.	T.	T.	T.	.11	T					T	T.		.06									.19	.06					0.42
Richmond [2] K							.08	.05	.10					.20			.10									.10	.05					0.63
Valley View, Lock No. 9[2] K				T.			.07	.03						.40			.10									.07	T.					0.67
Vanceburg, Dam No. 32 [2] O				T			.07	T.						.17	.05		.10	.01								.05	.03					0.48
Williamsburg[2] O			.07					.09	T	T.				.22			T						T.		.02		T.	.13				0.53
Willow, Lock No. 13[2] K					T.	T.	.04	.04						T.			.05										.21	.06				0.40
Winchester K		T.	T.		.01		.09	.09					.11	.10		.04	T.										.05	.06	T.				0.59

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡Precipitation measured with recording gage. *Included in the next following measurement
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississipi. //Rain gages have windshields.

Daily Temperatures for February, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	48	44	41	44	45	56	33	26	40	46	59	62	54	49	44	44	49	42	32	34	35	36	43	38	48	40	38	34	..	..	..	42.8
	Minimum	21	34	27	21	30	32	20	14	15	18	26	35	42	31	24	21	31	24	14	14	19	22	14	21	29	29	25	21	..	..	..	24.1
Calhoun	Maximum	49	47	38	41	46	56	34	28	42	47	60	..	62	49	45	50	51	36	34	36	33	36	40	..	49	42	35	34	..	..	..	[b]35.2
	Minimum	22	34	42	21	29	32	20	15	16	19	29	..	62	30	24	23	22	22	15	15	19	23	15	..	27	28	25	22	..	..	..	[b]24.4
Earlington	Maximum	49	46	42	49	48	55	34	28	43	51	52	64	62	50	46	44	52	45	33	36	36	38	43	38	48	40	36	34	..	..	..	44.3
	Minimum	22	35	28	21	28	34	22	18	15	18	26	34	36	32	22	22	32	24	17	17	22	27	14	22	27	30	27	22	..	..	..	24.8
Greenville	Maximum	48	44	39	45	46	57	40	25	40	47	60	64	55	47	44	44	50	45	33	35	34	35	42	38	46	43	34	34	..	..	..	43.4
	Minimum	20	33	26	19	25	38	19	14	13	17	27	40	37	29	21	20	30	28	14	14	20	24	13	21	24	29	25	21	..	..	..	28.4
Henderson	Maximum	49	45	42	46	45	54	30	27	44	47	60	62	55	40	50	45	49	39	31	32	31	35	41	39	47	37	34	33	..	..	..	42.5
	Minimum	23	33	26	21	28	28	20	12	13	20	31	39	39	30	25	22	32	25	16	14	18	21	14	22	24	26	21	21	..	..	..	23.7
Hopkinsville	Maximum	49	48	41	47	52	58	43	30	40	49	50	62	62	39	41	47	53	40	33	35	40	38	42	38	49	41	37	33	..	..	..	43.6
	Minimum	27	37	28	21	29	30	20	12	11	22	29	33	37	30	23	31	30	25	18	16	21	25	17	23	29	31	26	21	..	..	..	25.1
Lovelaceville	Maximum	54	47	42	48	52	65	36	31	42	62	51	68	60	52	50	49	55	51	36	36	44	41	44	41	48	45	36	38	..	..	..	46.1
	Minimum	24	36	30	23	33	35	22	16	16	22	25	33	49	32	27	25	30	26	21	19	22	29	29	30	27	33	28	19	..	..	..	27.2
Mayfield	Maximum	..	45	41	47	50	56	35	30	41	49	60	60	58	53	48	45	54	50	36	33	41	38	48	41	46	44	38	35	..	..	..	*45.1
	Minimum	29	..	30	25	31	35	22	16	19	24	33	41	48	31	27	28	31	29	22	20	23	29	20	29	28	31	27	19	..	..	..	*27.6
Murray	Maximum	50	53	41	46	48	67	37	39	35	51	61	62	58	58	62	48	44	44	34	36	35	37	38	39	43	42	41	36	35	..	..	44.6
	Minimum	34	34	29	25	33	32	21	23	15	32	31	38	45	35	28	34	20	14	22	26	20	21	22	23	32	29	23	19	..	..	..	27.5
Owensboro	Maximum	48	47	39	43	43	55	46	21	27	43	60	57	49	41	40	36	36	32	26	27	28	30	40	35	45	38	34	33	..	..	..	39.1
	Minimum	22	31	27	21	28	35	19	13	17	20	27	43	41	27	24	33	30	22	15	13	18	22	15	22	30	27	23	19	..	..	..	24.4
Paducah (near)	Maximum	49	46	43	45	47	59	34	32	42	51	59	64	57	50	45	42	52	48	33	30	40	36	47	49	49	49	39	34	..	..	..	45.6
	Minimum	29	36	31	26	34	34	23	17	22	26	28	39	49	38	29	27	33	29	22	19	25	29	23	23	29	29	29	21	..	..	..	28.4
Princeton	Maximum	49	48	40	47	48	55	36	29	42	48	60	63	60	50	46	42	58	47	33	34	39	37	43	38	48	43	36	34	..	..	..	44.6
	Minimum	24	34	28	22	28	35	21	9	16	20	29	39	45	31	23	25	31	25	17	16	20	26	16	25	25	30	27	22	..	..	..	25.3
Russellville§§	Maximum	51	48	40	44	64	59	29	25	42	47	59	60	49	36	46	46	50	39	34	35	37	39	42	38	47	38	34	34	..	..	..	42.8
	Minimum	22	28	29	20	25	28	20	10	12	15	25	29	35	31	28	22	24	16	17	15	15	21	14	15	25	28	21	21	..	..	..	21.5
Central Division.																																	
Anchorage	Maximum	46	43	39	41	44	37	29	25	29	43	56	62	52	43	41	39	44	34	28	33	37	33	39	40	46	35	34	..	..	..	..	*39.9
	Minimum	20	33	25	24	31	29	19	15	19	22	22	30	44	31	21	19	28	17	12	10	15	18	12	14	25	25	25	..	..	..	..	*22.4
Bowling Green	Maximum	48	47	43	43	45	69	54	30	39	45	59	56	50	40	46	46	63	46	37	38	40	40	44	43	49	47	37	37	..	..	..	45.0
	Minimum	32	37	30	29	30	34	21	15	19	17	24	43	32	34	36	22	32	37	32	24	26	28	32	30	26	26	23	16	..	..	..	27.9
Clermont	Maximum	45	42	39	42	44	57	28	28	31	47	58	64	62	36	43	43	47	38	31	35	40	36	40	45	49	38	32	..	..	..	..	*41.8
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Danville	Maximum	47	45	37	40	45	60	53	26	30	46	56	62	55	51	45	45	47	42	32	35	39	35	35	39	46	41	33	30	..	..	..	42.8
	Minimum	20	35	26	21	28	32	19	15	17	16	25	32	38	32	23	24	31	23	12	15	22	15	14	29	25	26	16	..	..	..	..	22.9
Dix Dam	Maximum	49	46	39	40	45	50	66	27	31	46	56	61	60	54	44	44	48	43	32	35	39	38	36	39	47	35	32	..	..	..	..	43.5
	Minimum	23	39	28	24	29	28	21	15	20	19	25	34	45	35	26	24	32	28	13	11	17	21	14	15	31	29	28	20	..	..	..	24.9
Eubank	Maximum	46	44	34	43	46	57	49	50	44	46	59	65	59	56	49	47	46	41	36	44	47	38	37	41	48	44	35	27	..	..	..	45.0
	Miuimum	21	20	21	19	24	29	21	19	10	11	14	24	27	36	31	29	31	26	13	11	17	20	11	24	29	27	26	17	..	..	..	21.5
Frankfort	Maximum	51	46	43	46	53	59	52	25	31	46	58	63	58	52	39	43	45	35	32	37	42	35	40	40	51	41	33	30	..	..	..	43.8
	Minimum	21	36	27	23	31	40	20	16	19	19	18	26	46	35	26	21	31	19	10	9	18	18	13	13	26	25	26	18	..	..	..	23.0
Glasgow	Maximum	48	48	41	43	47	66	55	27	34	50	57	61	61	52	44	44	45	48	35	37	40	40	41	40	48	48	39	32	..	..	..	45.1
	Minimum	23	35	30	19	28	37	27	13	16	19	25	34	44	33	26	21	33	27	17	16	23	26	14	22	31	28	29	22	..	..	..	25.6
Greensburg	Maximum	48	46	40	43	46	59	53	27	35	48	57	62	58	53	45	46	48	44	34	37	42	39	39	38	47	45	36	32	..	..	..	44.5
	Minimum	19	34	25	17	28	32	19	13	15	15	20	25	42	31	24	20	31	24	13	12	17	23	11	15	27	25	26	18	..	..	..	22.5
Irvington	Maximum	49	44	39	42	43	67	31	25	36	46	57	62	54	48	41	42	47	35	28	33	36	33	39	38	46	37	33	32	..	..	..	41.1
	Minimum	21	33	26	20	28	29	17	13	12	18	25	34	41	31	23	22	30	22	13	11	16	22	13	18	29	26	24	19	..	..	..	22.7
Leitchfield	Maximum	49	43	42	45	46	58	48	27	37	48	59	68	56	49	45	45	50	48	35	38	41	34	43	38	48	42	34	34	..	..	..	44.3
	Minimum	23	36	28	20	29	35	20	12	14	19	26	33	45	31	24	23	31	24	14	18	18	22	16	21	29	26	26	20	..	..	..	24.8
Lexington	Maximum	49	40	36	40	41	57	30	22	30	44	55	60	52	45	43	46	45	32	29	35	40	34	36	40	48	37	32	27	..	..	..	40.2
	Minimum	24	31	25	23	29	30	21	14	18	17	28	35	41	30	24	23	28	15	10	9	14	17	15	17	29	24	23	17	..	..	..	22.4
Louisville	Maximum	46	45	38	40	42	55	27	23	34	45	57	61	53	43	39	39	48	28	28	34	38	32	40	41	45	37	33	30	..	..	..	39.8
	Minimum	28	33	27	29	31	27	20	15	21	27	29	40	48	30	26	28	28	19	14	13	18	24	22	25	31	27	26	19	..	..	..	25.7
Do. Bowman Field	Maximum	46	43	37	41	42	57	27	22	30	44	56	62	51	43	39	39	48	29	28	34	36	32	38	40	44	38	33	29	..	..	..	39.8
	Minimum	23	33	27	26	32	27	20	15	21	24	25	37	43	30	25	24	26	18	13	12	18	22	16	18	28	27	25	16	..	..	..	24.0
Mammoth Cave	Maximum	48	41	39	43	45	59	28	28	37	47	58	62	50	34	44	46	48	35	34	35	41	36	41	38	47	38	32	30	..	..	..	41.4
	Minimum	18	30	29	15	20	30	20	14	13	14	18	32	40	26	24	19	22	24	12	18	15	19	8	16	23	26	23	19	..	..	..	20.4
St. John	Maximum	49	47	38	41	44	56	42	27	34	43	57	60	56	50	43	40	42	47	33	35	40	36	40	37	45	44	33	32	..	..	..	42.5
	Minimum	21	35	26	21	28	34	18	8	8	19	30	40	31	22	23	31	22	12	11	11	22	13	19	28	26	25	17	..	..	..	..	*24.1
Shelbyville	Maximum	46	41	37	40	42	56	44	24	29	44	55	62	55	48	41	41	48	34	28	33	37	34	38	40	48	40	32	30	..	..	..	40.4
	Minimum	19	33	22	23	28	31	17	12	15	18	22	30	41	30	21	19	28	18	9	7	11	12	12	15	26	22	18	13	..	..	..	20.4
Smith's Grove	Maximum	47	42	41	42	44	57	28	23	39	49	56	61	51	41	45	46	49	36	34	36	37	38	44	37	49	37	34	34	..	..	..	42.0
	Minimum	24	34	25	23	32	28	21	14	18	21	26	31	41	29	26	23	27	20	16	16	22	22	17	23	31	32	25	19	..	..	..	24.5
Stearns	Maximum	49	44	35	43	46	53	38	24	29	50	57	62	54	45	45	46	46	40	36	36	40	38	39	39	44	36	32	25	..	..	..	41.8
	Minimum	22	31	21	17	29	32	20	15	15	17	28	31	43	26	25	30	30	20	14	13	18	21	13	19	30	25	25	20	..	..	..	22.9
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	50	44	36	40	37	57	49	30	29	39	58	62	57	47	40	43	40	35	28	31	34	33	36	45	46	41	34	29	..	..	..	40.8
	Minimum	26	33	26	25	28	31	18	16	17	25	25	37	40	34	23	20	28	13	8	7	12	16	18	23	29	20	24	14	..	..	..	22.7
Eastern Division.																																	
Annville	Maximum	44	40	36	39	40	57	50	25	29	47	55	60	57	48	45	44	45	41	34	37	40	44	40	46	52	42	43	35	..	..	..	43.4
	Minimum	16	29	22	18	18	26	19	16	16	12	16	20	28	32	26	17	32	25	9	6	9	13	6	10	28	22	26	17	..	..	..	18.9
Ashland	Maximum	51	46	39	39	39	60	55	31	34	45	57	62	62	57	45	46	47	35	32	37	40	36	38	48	50	45	36	30	..	..	..	43.8
	Minimum	25	32	29	25	21	27	33	19	18	17	20	28	34	39	33	28	31	17	10	10	15	13	21	17	31	23	27	18	..	..	..	23.4
Berea	Maximum	46	45	38	40	42	58	53	25	29	..	55	60	62	53	43	45	46	42	33	34	38	36	35	39	47	40	35	30	..	..	..	*42.6
	Minimum	24	36	30	20	26	34	19	15	16	..	28	39	40	33	26	24	31	22	13	9	16	12	15	30	26	25	17	..	..	..	..	*24.1
Farmers	Maximum	46	37	34	40	37	55	23	20	28	46	54	59	58	47	45	41	39	39	30	36	40	33	38	39	46	46	30	30	..	..	..	40.0
	Minimum	19	29	25	24	21	22	21	15	17	21	17	24	33	36	28	21	31	15	11	11	12	14	14	11	29	20	22	18	..	..	..	21.2
Heidelberg	Maximum	48	45	40	42	42	58	54	25	29	50	58	63	60	55	44	46	45	45	44	38	41	40	39	39	50	44	37	31	..	..	..	44.7
	Minimum	18	31	31	18	22	22	25	20	17	22	17	21	29	37	31	20	33	27	9	6	11	15	9	10	22	22	28	21	..	..	..	21.6
Lynch [near]	Maximum	40	38	30	30	26	39	34	32	25	38	41	47	45	40	..	..	48	46	39	31	28	25	28	36	33	34	33	30	..	..	..	[b]35.8
	Minimum	20	17	14	10	19	20	8	6	4	8	24	29	27	24	..	..	25	12	4	3	5	18	8	16	23	20	17	6	..	..	..	[b]14.1
Maysville	Maximum	50	44	36	40	37	58	52	26	31	41	55	63	55	55	41	41	40	34	27	34	36	33	37	42	46	41	30	30	..	..	..	41.2
	Minimum	21	34	29	27	24	26	22	19	19	24	29	38	37	29	22	23	38	17	12	9	14	16	20	18	32	21	26	18	..	..	..	23.4
Middlesboro	Maximum	50	61	46	40	43	52	55	41	40	48	51	59	60	57	49	50	48	50	42	42	41	44	42	46	45	45	43	40	..	..	..	47.0
	Minimum	20	33	36	24	28	24	23	21	20	18	18	20	29	35	30	21	36	30	12	12	20	19	12	15	31	23	32	21	..	..	..	23.8
Monnt Sterling	Maximum	42	41	35	37	38	57	37	24	27	48	53	61	55	48	41	43	43	31	28	34	37	32	37	40	48	38	30	28	..	..	..	39.6
	Minimum	24	31	26	22	25	31	20	14	16	20	29	31	42	31	25	23	25	16	10	9	14	17	18	14	29	25	26	15	..	..	..	22.4
Pikeville	Maximum	54	44	35	38	37	57	38	29	31	61	57	62	63	45	49	50	47	38	37	39	43	40	40	41	45	45	34	28	..	..	..	43.5
	Minimum	25	32	29	21	21	28	22	19	19	21	24	32	37	31	27	25	32	20	11	10	15	22	15	19	26	30	28	20	..	..	..	24.2
Pippapass	Maximum	52	48	57	42	39	59	52	26	37	53	58	65	52	60	60	47	45	43	39	39	44	42	43	41	45	43	37	40	..	..	..	46.5
	Minimum	21	32	28	21	20	21	24	19	12	16	21	24	35	36	31	22	35	21	13	9	14	18	18	12	31	21	31	31	..	..	..	22.8
Quicksand	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	18	29	27	20	20	20	20	19	17	20	17	21	28	35	30	20	32	23	10	7	11	15	12	11	30	24	28	18	..	..	..	20 8
Richmond	Maximum	46	41	38	40	42	58	34	23	32	45	56	62	50	43	40	42	40	32	30	35	40	35	35	38	46	35	36	32	..	..	..	40.2
	Minimum	27	38	28	28	30	34	20	15	18	20	32	38	43	40	28	25	30	20	11	10	15	22	15	19	26	30	28	20	..	..	..	25.2
Williamsburg	Maximum	52	47	41	41	45	52	48	37	31	47	55	59	57	51	50	47	48	45	39	38	42	43	42	40	45	46	35	34	..	..	..	44.9
	Minimum	21	34	30	19	28	27	23	18	17	34	22	27	34	33	29	20	35	25	16	13	17	19	11	16	32	27	28	22	..	..	..	24.0
Winchester	Maximum	47	41	35	39	40	56	49	22	29	45	54	62	55	50	42	42	41	33	49	34	38	32	36	39	48	38	35	27	..	..	..	41.6
	Minimum	22	33	26	22	27	32	19	13	17	19	27	36	41	33	25	23	18	18	9	8	12	19	13	11	29	22	24	18	..	..	..	22.0

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs
a, b, * etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 4-10-41 1100

Nat. Hist.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., MARCH, 1941 No. 3

GENERAL SUMMARY.

The month was decidedly cold and exceptionally dry. Only a few days scattered through the month had normal or higher temperatures. Freezing or lower temperatures, that occurred almost every night, held back all vegetation. This persistent cold was favorable in preventing the usual premature blossoming of some fruit trees. Because of the dryness of the surface soil, the frequent freezing and thawing had little injurious effect on winter grains. Tops remained frozen down and discolored, but the lack of excess water in the soil gave the freezes no power to disturb the roots by the lifting effect of ice crystals that form when the soil is frozen in a saturated condition. With the exception of a little growth that occurred on the occasional warm days on south slopes, grains remained as dormant as in mid-winter.

The dry weather favored most activities characteristic of this month. Except when the ground was frozen, plowing could be carried on with only occasional interruption by rain. The low temperature had a discouraging influence on spring seeding, but progress increased in the last decade. Much lespedeza and oats were sown at this time. Potatoes that were planted before the severe freezes of the 17-18th were so seriously damaged that they had to be replanted. Sowing of tobacco plant beds continued throughout the month. The prevailing cold tended to unduly prolong the work, but it was generally finished and beds were canvassed in the last decade. Preparation of soil for early domestic and market gardens moved forward, hindered only by frozen ground at times; but the cold weather caused delay in planting. A few warm days in the last half caused peach buds to expand and some early shrubs to put out leaves. Most fruit remained dormant, and strawberries had barely commenced to grow.

Grass on warm limestone slopes showed some signs of growth toward the end, otherwise pastures made no progress of consequence. Complaints of ground water shortage and limited supplies for use of livestock came from upland districts toward the end. Moisture in the surface soil appeared to be sufficient for current growth, but reserves to enable crops to long withstand rising temperature were lacking.

TEMPERATURE.

Temperatures for the month averaged from 4° to 5° below normal in most districts. They were above normal in the periods 2-3d, 20th-22d, and at some stations on the last day. At most stations the warmest days were the 3d and 20th, with maxima ranging from 65° to 70°. Temperatures continuously below the average prevailed from the 4th to 19th and in the week ending with the 30th. Record low temperatures occurred in central and eastern districts on the 17th and 18th, when means ranged from 17° to 23° below normal and minima from 8° to 15° at many stations. Temperatures for the State varied between 74° at Middlesboro on the 22d, and 2° at Lynch [near] on the 1st.

PRECIPITATION.

Precipitation for the State averaged slightly more than one-third of the normal amount. In some southern border counties and in the extreme southeast it ranged from 2.5 to 3.5 inches. There was a general decrease northward to 1.0 inch or less along the Ohio River. In the northwestern counties precipitation averaged between 0.5 and and 1.0 inch. A broad belt from northeast to southwest through the center of the State received from 1.0 to 1.5 inches. Amounts at the various stations ranged between 0.43 inch at Ramsey, in the lower Green River Valley, and 3.45 inches at Pikeville in the extreme southeastern corner of the State. Precipitation, some of which was light snow, occurred almost daily on the first 17 days. Showers were moderate locally in central and eastern districts on the 4th, 7-9th, 11th and 16th; but they were light and scattered in the western counties. Light showers occurred generally on the 23d-24th, and scattered showers from the 28th to 31st. The total snowfall ranged from mere flurries at many western and northern stations to 4.0 inches in the eastern mountain region. Thunderstorms were reported from some localities on the 3d.

MISCELLANEOUS.

March 3d.—Two persons were injured when a windstorm overturned their residence in Lincoln County. The wind caused some other damage to roofs in Lincoln and Marion counties.

It was announced by the State Forestry Division that 98 fires had burned over a total of 1,403 acres of forest in the southeastern counties since January 1, 1941.

Rivers:—Moderate stages developed in the Ohio in the second decade, caused by rains and melting snow in the upper basin from the 8th to 11th. Except for a slight swell in the Big Sandy from the 9th to 13th, tributary streams in the State remained very low.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.09	30.54	18	29.69	10	9.7	30	sw.	3	72	50		61
Cincinnati ..... Ohio	30.09	30.55	18	29.51	3	8.8	31	sw.	11	73	48	51	57
Evansville ..... Ind.	30.09	30.58	18	29.54	10	10.0	34	sw.	3	74	48	55	65
Louisville ..... Ky.	30.08	30.56	18	29.55	3	10.2	37	sw.	3	74	50	54	60

COMPARATIVE DATA FOR MARCH.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	40.5	84	18	1.52	....	..	..	..	..
1890	41.2	78	4	8.34	....	..	..	..	..
1891	41.8	71	9	8.08	....	..	..	..	..
1892	40.6	82	7	4.08	....	..	..	..	..
1893	45.0	89	5	2.76	....	..	..	..	..
1894	50.8	86	10	2.72	....	..	..	..	..
1895	45.0	88	15	3.17	....	9	13	8	10
1896	41.1	80	8	6.16	....	12	9	9	13
1897	49.6	86	20	7.94	0.2	14	8	9	14
1898	50.7	84	16	7.59	1.0	13	8	9	14
1899	43.9	80	− 3	8.10	2.4	15	8	10	13
1900	42.8	81	− 3	2.58	3.9	9	11	8	12
1901	46.4	87	3	3.50	0.5	10	9	7	15
1902	47.2	82	7	4.44	6.1	11	10	9	12
1903	52.5	85	19	4.43	T.	12	9	7	15
1904	47.7	88	12	6.26	0.5	12	8	8	15
1905	52.2	86	22	4.15	T.	11	15	6	10
1906	39.2	75	3	6.37	2.0	16	6	5	20
1907	54.9	92	18	2.28	0.8	10	13	6	12
1908	51.8	88	19	5.42	0.7	13	10	7	14
1909	44.8	74	17	5.14	T.	11	11	7	13
1910	55.0	91	11	0.79	0.3	3	18	7	6
1911	46.0	87	7	2.57	0.6	9	14	5	12
1912	41.3	88	10	6.22	6.6	15	9	3	19
1913	46.5	85	9	7.22	0.5	10	12	7	12
1914	41.8	78	2	3.62	6.4	12	10	6	15
1915	37.8	65	11	2.11	3.5	8	12	5	14
1916	43.5	84	4	3.39	3.7	10	12	8	11
1917	45.9	84	0	6.52	8.1	14	13	6	12
1918	51.6	85	17	1.97	T.	8	15	7	9
1919	47.6	81	16	5.65	T.	9	15	6	10
1920	46.3	88	− 1	4.85	0.6	10	15	6	10
1921	56.7	87	19	5.75	T.	11	13	9	9
1922	49.4	83	19	8.11	0.5	14	9	6	16
1923	45.6	80	8	5.27	T.	9	15	7	9
1924	41.5	81	14	3.05	1.8	9	9	5	17
1925	49.2	84	4	3.59	0.4	9	16	7	8
1926	40.2	84	4	2.80	2.3	11	12	6	13
1927	48.4	82	10	6.04	3.5	11	12	7	12
1928	45.6	85	12	2.64	2.7	8	12	8	11
1929	52.0	94	9	4.17	1.2	10	13	8	10
1930	44.5	76	9	2.17	1.2	9	15	7	9
1931	41.4	73	24	3.66	3.9	17	7	7	17
1932	41.2	80	4	4.95	1.5	10	11	8	12
1933	46.0	78	10	5.52	T.	11	7	12	12
1934	43.6	80	5	4.83	2.1	13	12	7	12
1935	54.6	86	20	9.56	0.3	14	9	8	14
1936	50.7	81	19	4.85	3.2	11	14	8	9
1937	42.2	77	6	1.43	2.3	7	14	7	10
1938	53.7	86	11	6.29	T.	13	8	10	13
1939	49.4	90	15	5.78	T.	9	14	8	9
1940	43.9	81	11	6.04	1.9	10	10	7	14
1941	40.5	74	2	1.65	1.1	8	13	7	11
Period †	46.3	94	− 3	4.61	1.8	11	12	7	12

†53 year averages.

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Climatological Data for March, 1941.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	29	41.7	— 5.9	69	3†	13	18	35	1.21	—3.03	0.25	T.	10	14	4	13	sw.	Eldred G. Young.
Calhoun	McLean	437	37	[b]41.4	— 7.0	69*	3†	14[b]	18	35[b]	0.51	—4.06	0.14	0.0	7	18	1	12	.....	R. C. Bennett.
Earlington	Hopkins	420	47	43.4	— 4.0	73	20	12	1	39	0.59	—3.89	0.22	1.0	6	15	3	13	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	0.47	—4.56	0.16	0.5	6	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	1.19	.....	0.61	.....	6	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	41.8	— 6.0	70	20	12	1†	38	0 79	—3.60	0.20	0.0	7	16	6	9	n.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	0.89	.....	0.18	0.5	9	17	1	13	.....	W. R. Carson. Sr.
Henderson	Henderson	382	19	41.6	.....	72	20	12	18	37	0.49	—4.92	0.19	0.0	6	13	11	7	e.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	41.8	— 7.0	69	20†	14	1	34	1.49	—3.38	0.74	1.0	6	16	11	8	n.	W. K. Morris.
Lovelaceville	Ballard	479	12	44.6	— 4.3	71	3	16	1	35	1.01	—4.68	0.30	3.0	6	16	7	8	n.	Blaine Malone.
Mayfield	Graves	364	32	44.6	— 5.1	69	21	17	17	33	1.14	—2.89	0.26	T.	7	14	11	6	n	Mrs. Joe Payne.
Murray	Calloway	412	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Ralph B. Wear.
Owensboro	Daviess	420	44	39.8	— 6.7	68	20	12	18	36	1.07	—3.20	0.56	T.	8	15	4	12	sw.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	1.16	—2.61	0.52	T.	7	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	44.2	— 5.6	68	20	19	17	30	0.70	—3.81	0.36	0.2	5	21	4	6	.....	Joe Lagore, *
Princeton	Caldwell	529	34	43.8	— 3.9	72	20	14	1	36	1.49	—2.61	0.80	T.	9	11	8	12	n.	S. J. Lowry.
Ramsey, Lock 2 ‡	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	0.43	—4.07	0.14	T.	6	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	39.8	— 7.3	68	20	14	17†	44	1.65	—3.12	0 81	1.5	7	13	4	14	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	0.64	—3.29	0.25	T.	7	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	13	.....	.....	.....	.....	.....	.....	.....	0.80	—3.16	0.32	.....	4	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	38.9	— 5.5	65	3	19	1	36	1.36	—2.90	0.55	T.	5	18	4	9	ne.	C. E. Barret.
Bowling Green	Warren	500	45	44.4	— 4.0	71	20	17	17	37	2.16	—2.94	0.60	1.5	6	17	7	7	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	1.07	—4.16	0.36	T	8	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	2.76	—2.45	0.68	1.2	11	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	0.92	—2.90	0.66	.....	3	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	.....	.....	.....	.....	.....	.....	.....	1.91	.....	0 57	T.	7	17	8	6	nw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	1.00	—2.55	0.44	.....	9	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	40.3	.....	68	20†	11	18	37	0.59	—2.82	0.46	1.0	8	13	7	11	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	41.8	.....	69	20	13	18	38	1.83	—1.87	0.50	T.	7	13	7	11	sw.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	2.55	.....	0.68	1.5	10	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	40.5	— 5.2	69	20†	7	1	38	1.66	—3.05	0.52	0 3	7	6	6	19	n.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	40.2	— 5.9	70	20	9	18	42	1.73	—2.65	0.60	T	6	12	7	12	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	1.46	—3.10	0.62	T.	4	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	42.6	— 4.6	68	21†	15	18	39	1.62	—4.17	0.30	2.4	10	8	18	6	w.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	1.30	—1.72	0.88	.....	7	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	[a]40.7	— 5.4	70*	20	12[a]	18	42[a]	2.09	—2.98	0.61	3.0	12	4	2	25	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	1.61	—2.69	0.44	T.	10	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	40.0	— 6.8	69	20	9	18	37	0.94	—3.53	0.24	T.	7	11	9	11	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	1.36	.....	0.44	T	9	17	3	11	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	2.28	—2.57	0.77	.....	10	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	42.3	— 3.8	70	20	12	18	31	1.25	—3.17	0.28	T.	8	5	11	15	.....	D. Lem Hughes.
Lexington	Fayette	989	57	38.5	— 5.2	69	20	10	18	36	2.27	—2.05	0.76	0.6	12	16	4	11	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	1.53	—2.83	0.48	1.0	6	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	1.69	—2.95	0.63	1.8	7	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	40.4	— 5.0	68	20	12	18	33	1.20	—3.19	0.42	0.1	8	14	6	11	ne.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	39.4	.....	68	3	12	18	33	1.55	.....	0.66	0.2	7	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	39.0	.....	69	20	12	1†	42	1.61	.....	0.52	1.3	11	11	4	16	nw.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	2.12	.....	0.64	T.	8	12	8	11	.....	E. O. Cooper.
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	1.22	—2.73	0.38	0.2	7	.....	.....	.....	.....	Chester Williams.
St. John	Hardin	777	45	40.8	— 4.2	67	20	11	18	39	1.55	—3.69	0.47	T.	10	12	10	9	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	1.87	—2.31	0.60	.....	8	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	38.5	— 6.1	68	20	8	18	36	2.08	—2.67	0.46	T.	10	15	0	16	sw.	Willa S. Ratta.
Smith's Grove	Warren	607	3	41.3	.....	67	20	15	18	35	1.71	.....	0.47	0 5	11	6	8	17	ne.	C. W. Cuernsey.
Stearns	McCreary	1400	5	40.0	.....	70	22	12	18	40	2.63	.....	0.75	1.5	13	9	7	15	sw.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Joe Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	1.41	—2.21	0.63	T.	6	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	38 6	— 5.1	67	21	7	18	39	1.69	—2.35	0.54	0.9	11	19	5	7	w	Miss Nettie B. Simpson.
Woodbury, Lock 4 ‡	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	1.09	—3.55	0.60	1.2	7	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	*38.7	.....	68*	20	8	1	41*	2.42	.....	0.58	3.5	12	14	8	9	ne.	W. A. Worthington.
Ashland	Boyd	534	24	39.4	— 6.2	68	20	12	18	40	1.82	—2.50	0.42	3.0	9	10	10	1	nw	Lockmaster.
Berea	Madison	1070	38	[a]40.8	— 5.8	67*	20	11[a]	18	38[a]	1.68	—3.31	0.43	2.5	9	12	5	14	n.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	1.69	—2.90	0.48	1.5	10	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	1.34	—2 86	0.57	2.0	5	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	1.81	—2.28	0.76	T.	9	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	37.2	— 7.8	63	31	6	1	41	1.38	—3.14	0.33	1.3	9	10	11	10	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	1.27	—3.02	0.41	.....	9	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	1.49	—2.67	0.56	0.2	8	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	1.18	—1.50	0.33	4.5	5	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	1.18	—2.50	0.27	2.5	8	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	2.91	—1.26	0.89	0 2	9	.....	.....	.....	.....	H. A. Bally.
Heidelberg, Lock 14	Lee	663	6	40 0	.....	70	20	12	1	44	2.28	—2.47	0.56	4.0	11	12	4	15	w.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	2.51	.....	0.48	3.0	9	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	3.34	—1.41	1.07	2 0	8	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	564	38	.....	.....	.....	.....	.....	.....	.....	1.76	—2.47	0.60	4.0	7	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	[a]32	.....	57b	22	2[a]	1	30	1.94	.....	1.56	4 2	8	13	4	14	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	38.0	— 6.3	67	20	12	5†	41	1.13	—3.11	0.38	0 9	9	7	14	10	w.	Lockmaster.
Middlesboro	Bell	1128	42	43.3	— 4.6	74	22	16	18	34	3.04	—2.20	0.94	0.0	7	15	10	6	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	.....	.....	68[1]	21	10[1]	18	35[1]	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. R. McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Onconta, Dam 35¶	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	1.15	—2 66	0.44	0.2	6	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	3 07	.....	0.72	4.0	12	.....	.....	.....	.....	E. C. Fraley.
Pikeville	Pike	636	5	40 4	.....	73	20	16	2	44	3.45	—0.87	0.97	T.	13	6	13	12	e.	U. S Weather Bureau.
Pippapass	Knott	1035.	7	40 0	.....	71	19	12	1†	43	2.98	..	0.90	T.	7	12	11	8	w.	Caney Run Com. Ccn.
Quicksand	Breathitt	732	15	39.4	— 5.8	70	20	9	1	46	2.76	—3 11	1.23	0.0	6	..	..	..	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	2.48	—1.53	0.53	4.0	8	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	40.4	— 5.2	68	20†	12	18	36	1.61	—2.78	0.50	0.0	9	16	7	8	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	1.54	—3.14	0.38	0.5	9	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	1 21	—3.43	0.36	.....	10	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	930	44	42.6	— 4.4	70	20†	13	18	41	3.57	—1.08	1.22	T.	9	16	3	12	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	2.32	—1.98	0.63	4.0	10	..	..	..	.....	Lockmaster.
Winchester	Clark	964	4	38.8	.....	67	20	8	18	34	1.41	.....	0.48	2.0	11	3	18	10	nw.	Airway Station.
State averages and extremes				40.5	— 5.8	74	22	2	1	46	1.65	—2.96	1.23	1.1	8	13	7	11	n.	

All temperature data are taken from self-registering thermometers

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, *, [b], [a], appearing in the table indicate number of days missing; for example, b represents two days, etc.

† Also on other dates. †† Received too late to be included in means and summaries † Precipitation is less than 0.01 inch rain or melted snow

*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for March, 1941.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.			.23							.15			.09		.20	.08							.25	.04				.07	.02		.13	1.21
Calhoun G.										.14			.06		.11								.11	.02				.01			.06	0.51
Carlington G.				.03							.12		.22			.15								.15					.02			0.69
Fords Ferry Dam 50[3] O.	T.			T.	T.			T.			.10		.10	.02		.16							T.	.08				T.	.01	T.	0.47
Gilbertsville[3] T.				.61			.04				.06		.16	T.		.04							T.	.24				T.			1.19
Greenville G.				.12						.19			.20		.05	T.							.15	.05							.03	0.79
Hartford G.			.18							.16			.06		.17	.08							.04	.05				.05	T.	.11	0.89
Henderson O.										.08					.19	.01							.10	T.				.03	T.	.08	0.49
Hopkinsville[3] C.								.15			.21			.19		.16							T.	.74				.04			1.49
Lovelaceville M.			.21							.10			.20		.10								.30							.10	1.01
Mayfield M.			T.	.15						.07			.20		.15								.26	.12						.19	1.14
Murray T.																																
Owensboro O.			.56	T.						.03	.14		T.		.12	.03							.09					.12			.04	1.07
Owensboro, Dam 46[3] O.			T.	.52	T.						.18		T.	.01		.20	T.							.10						.14	.01	1.16
Paducah[3] O.				T.	T.		T.	T.			.08		.18	.01	T.	.07							T.	.36				T.	T.	T.	0.70
Princeton G.			.80				.01			.10			.22		.03	.03							.20	.04							.04	1.49
Ramsey, Lock No. 2[3] G.											.12		.04	.02		.14								.10					.01			0.43
Russellville[3] G.				.01			.10				.26		.15			.12							.17	.81								1.65
Uniontown, Dam 49[3] O.	T.			T.	T.						.16		.03	.02	T.	.25								.14					.03		.01	0.64
Central Division																																
Addison, Dam 45[3] O.			T.	T.			T.				.13					.32	T.							.25					.10		T.	0.80
Anchorage O.			T.				T.			.55			T.		.15								.51	.03				.12			T.	1.36
Bowling Green G.				.30			T.				.45		.60			.15							.48						.18			2.16
Bowling Green No. 2[3] G.	T.			.18			.30	T.			.23		.14	T.		.12							.02	.40					.08			1.47
Brownsville, Lock No. 6[3] G.				.15			.04				.32		.04			.04							.02	.36					.05			1.04
Burnside[3] C.	T.			.40			.45	.35	.26		.58		T.	.12		.25							.05	.20	.05				.05			2.76
Carrollton Lock No. 1[3] K.				.01			T.				.66		T.											.25								0.92
Clermont S.			T.	.22	.03		T.	.02			.57				.28							T.		.57					.22			1.91
Cold Spring, Dam 36[3] O.			T.	.06			.04	.01			.44		T.	.03		.09								.20					.12	T.	.01	1.00
Danville[3] K.	T.		T.	.46			.11	.07	.02		.42			T.		.13	T.							.23					.15			1.59
Dix Dam, Burgin K.			.30			.13	.05			.50			T.		.30								.40							.15	1.83
Eadsville[3] O.				.68			.37	.20	.31		.52		.02	.06		.20								.16				.03				2.55
Eubank C.			.30					.16	.52		.30			.08	.26	.04																1.66
Frankfort, Lock No. 4[3] K.				.57		T.	.04				.27		T.			.25							T.	.60				T.				1.73
Frest, Lock No. 3[3] K.		.05			T.		T.				.55					.24								.62				T.				1.46
Glasgow G.			T.	.30	T.		.20	.30			.19		.10	.01		.20							.04	.23					.05			1.12
Grant, Dam 33[3] O.			.01	.06	T.						.83		T.	.06		.06								.22					.06			1.30
Greensburg[3] G.			.05	.61			.20	.26		.25	.08		.07		.11	.06							.29	.10				.01				2.09
High Bridge, Lock No. 7[3] K.			T.	.29	.01		.08	.03	T.		.44		T.	.02		.19	T.						.01	.43				T.	.11			1.61
Irvington O.			.19	T.			T.			.19			T.		.22	T.							.24	.02				.05	T.		.03	0.94
LaGrange O.			.03							.44	.12		T.		.10	.09						.28	.17				.11					1.36
Lancaster[3] K.			.77			.12	.05	.12		.48					.48	.02							.18					.05			.06	2.28
Leitchfield[3] G.				.15			.06	T.		.28					.03			.09					.44	.05					.15			1.25
Lexington[4] K.			.17	.02			.13	.03		.51			.02		.53	.02							.75	.01				.03			.05	2.27
Little Hickman, Lock No. 8[3][//] K.				.48			.08	T.		.88			.05		.82								.22					T.				1.53
Lockport, Lock No. 2[3] K.			T.		.05		.03	T.			.63			.05		.25								.57					.11			1.69
Louisville[1][4] O.			.07	.01			T.			.36			T.		.18	.01	T.						.42	T.				.11		T.	.04	1.20
Do. Bowman Field O.			.03	.01			T.			.38			T.		.16	T.	T.						.66	T.				.16		T.	.09	1.55
Mammoth Cave[3] G.	T.		.01	.52	T.		.10	.01			.30		.11	T.		.15	.01						.01	.34					.05			1.61
Monticello[3] C.			.64				.42				.55			.12		.20							.15						.04			2.12
Munfordville[3] G.			T.	.21			.12	T.			.20		.07	T.		.13							T.	.38					.11			1.52
St. John S.				.47						.28	.03		T.	.03	.13	.11							.39	.05				.05	.01			1.55
Salvisa, Lock No 6[3][†] K.			.01	.27			.07	.04			.88			T.		.44							T.	.60					.06			1.87
Shelbyville S.			.21	.18			T.			.29	.50		T.		.12	.12							.46	.12				.05	.03			2.08
Smith's Grove G.			.47	T.				.01	.14	T.			.21		T.	.07							.41	.03				.02			.17	1.71
Stearns C.			.62	.11		.08	.75	.20		.48	T.		.06		.06	.08							.01	.14				.02			.02	2.63
Taylorsville S.																																
Tyrone, Lock No. 5[3][†] K.			.03	.06	T.		T.	.04			.30					.38							T.	.63				T.				1.44
Williamstown J.				.88			.05		.03	.02	.29		.04		.05	.10							.54	.17				.02				1.69
Woodbury, Lock No. 4[3] G.				.14			.03				.12		.10	T.		.06								.60					.04			1.09
Eastern Division																																
Annville C.				.40			.53	.38		.24	.28		.03		.07	.03	.21						.10	.12				.03				2.42
Ashland[3] D.	.34			.16	.02			.34	.33		.42			.02		.15								.04				T.				1.82
Berea K.				.29				.39			.43		T.		.03	.29	.05						.05	.10				.05				1.68
College Hill, Lock No. 11[3] K.	T.		.03	.38			.10	.65	.10		.18			.02		.32								.15					.06			1.69
Cynthiana[3] L.				.05	.02			T.			.43			T.		.27								.57								1.34
Falmouth[3] L.	T.		.02	.21	.02		T.	.07			.49			.02		.19	T.							.76					.03			1.81
Farmers[3] L.			.01	.07			.01	.18	.14		.29		T.			.33								.21					.09			1.33
Flemingsburg[3] L.				.04	.02			.05	.18		.30					.18	.01							.41					.14			1.27
Ford, Lock No. 10[3][†] K.	T.		T.	.56	T.		.07	.05	.02		.36			T.		.26								.16					.01			1.49
Grayson[3] O.							T.	.33	.20		.30					.25								.10								1.18
Greenup, Dam 30[3][//] O.				.06	.03			.25	.25		.27				.08	.13	T.							.16	T.				T.			1.18
Hazard[3][//] K.				.43			.38	.99	.15		.60		T.	.02		.22								.05					.07			2.91
Heidelberg, Lock No. 14[3] K.				.24	.02		.28	.32	.35		.56					.28	.01							.20	.03				.04			2.28
Jackson[3] K.		.10		.46			.45	.40	.15		.48					.22								T.	.15				.10			2.51
Jenkins[3] B	.02			.41			1.07	.76			.59													.13	.02					.31		3.34
Louisa[3] B				.29			.07	.45	.50							.30								.06	.09							1.76
Lynch [near] C			1.50	.15			.02				.03		.03										.01				.05		.15			1.94
Maysville, Dam 33[3] O.	T.			.03	.01		T.	.06	T.		.38			.02		.27	.01							.32					.03	T.		1.18
Middlesboro C				.94			.88	.38			.62					.12								.05	.05							3.04
Mount Sterling L							.07	.22	.02	.04	.41					.10	.52															
Oneida[3][†] K.																																
Oneonta Dam 35[3] O.	T.		T.	T.			T.	.02	T.		.44	T.		T.		.22	.02							.31					.14	T.	T	1.16
Paintsville[3] B	T.	T.	.01	.72	.04		.16	.44	.42	T.	.51					.23	.03							.10	.08					.33			3.07
Pikeville B			.28	.04			.07	.39	.01	.53	.07		T.	T.	.04	.10	T.							.10	.12			T.	.50	.30			3.45
Pippapass K				.80			.90	.45			.58	T.	T.		.03	.06									.11								2.93
Quicksand[3] K				.53		.45		T			1.23					.28								.14					.13				2.76
Ravenna, Lock No. 12[3] K	T.		T.	.50			.09	.37	.16		.53					.45	T.							.24	T.				.09				2.43
Richmond[3] K			.05	.50			.10	.10			.80			.03		.40								.10					.03				1.61
Valley View, Lock No. 6[3] K			.04	.38			.12	.06			.38		T.	.01		.30								.20					.05				1.54
Vanceburg, Dam No. 32[3] O.			.01	.09				.12	.14		.36			.01		.22	.01							.22					.03				1.21
Williamsburg[3] C.				1.02	T		.73	.28	T.		1.22			.02		.15							.05	.06							.04	8.57
Willow, Lock No. 13[3] K.				.21			.22	.86	.19		.63			.02		.34							.06	.22				.07				2.82
Winchester K.	.05	T.	.48	.01			.10	.08		.29	T.		.01		.18	.03	T.						.16	T.				.02				1.41

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. [3]Precipitation measured in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. [4]Included in the next following measurement.
[†]Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky.
River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. //Rain gages have windshields.

Daily Temperatures for March, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	44	61	69	55	45	43	48	49	52	56	51	48	42	51	42	56	39	40	60	69	66	67	59	56	52	58	55	48	54	61	63	53.5
	Minimum	16	31	53	28	18	29	33	30	23	35	32	29	30	22	28	36	14	13	25	36	38	33	45	41	27	25	35	26	27	26	44	29.9
Calhoun	Maximum	43	62	69	58	46	44	49	51	52	53	52	49	45	51	45	57	31	40	61	71	67	69	65	55	54	59	..	57	56	62	64	*54.6
	Minimum	15	31	..	29	19	30	34	28	25	36	32	28	30	22	28	..	16	14	26	36	42	31	46	39	26	27	..	28	26	26	45	*29.1
Earlington	Maximum	45	63	70	61	48	45	47	50	57	56	49	50	45	51	47	59	40	44	61	73	68	68	60	57	54	60	56	60	61	64	63	55.6
	Minimum	12	32	56	31	17	31	35	31	36	35	34	27	31	22	28	39	17	16	25	36	36	34	49	42	29	25	35	29	25	28	44	31.2
Greenville	Maximum	44	61	68	65	45	44	47	49	55	55	50	49	44	50	45	58	41	40	59	70	66	67	60	55	52	57	53	50	54	60	60	54.0
	Minimum	12	30	87	28	20	29	33	29	21	38	32	27	29	19	26	35	13	12	21	40	39	31	46	41	27	24	35	27	23	25	43	28.6
Henderson	Maximum	44	61	68	50	45	43	48	50	55	52	49	49	43	52	41	56	32	41	60	72	67	69	59	53	53	57	58	50	56	62	60	53.3
	Minimum	14	32	49	23	18	30	34	27	25	35	32	28	31	22	33	31	15	12	27	40	30	40	45	38	24	27	33	31	25	31	46	29.9
Hopkinsville	Maximum	41	54	68	58	49	51	48	49	56	49	53	53	42	50	44	59	40	42	62	69	69	69	60	56	52	60	59	56	60	58	58	53.8
	Minimum	14	29	33	29	19	30	34	30	23	34	31	25	30	23	29	34	15	15	28	38	39	34	38	45	28	30	38	28	30	28	43	29.8
Lovelaceville	Maximum	47	64	71	64	49	45	50	51	59	54	55	54	46	52	52	60	41	46	63	70	68	67	67	53	56	60	58	56	62	60	59	56.8
	Minimum	16	31	56	31	21	35	35	30	24	40	25	25	31	23	30	40	18	17	24	32	40	64	45	40	24	30	33	38	27	32	47	32.4
Mayfield	Maximum	44	62	70	64	46	45	49	49	56	54	54	50	46	49	48	60	43	42	61	68	69	68	65	55	51	59	55	54	58	60	58	55.2
	Minimum	18	34	66	31	22	34	35	30	26	38	22	33	31	25	38	40	17	19	26	40	45	46	51	41	29	32	49	37	30	34	49	34.0
Murray	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Owensboro	Maximum	46	58	74	54	43	42	44	43	48	50	48	48	45	47	43	45	35	37	37	68	67	63	50	52	53	54	56	45	49	58	61	50.1
	Minimum	17	30	49	30	20	30	33	27	25	35	30	28	30	25	29	35	13	12	23	36	31	31	44	38	26	30	35	27	26	28	45	29.6
Paducah (near)	Maximum	40	61	71	56	46	44	49	49	54	54	52	50	45	50	47	56	40	43	62	68	66	66	64	56	50	58	56	52	58	55	56	54.0
	Minimum	21	34	56	32	25	36	37	30	27	37	34	34	33	27	35	39	19	20	27	38	45	37	45	41	31	36	43	36	32	36	49	34.5
Princeton	Maximum	41	62	68	66	47	45	49	49	57	60	51	51	47	50	49	58	44	43	61	72	69	67	66	54	51	58	54	51	57	57	61	55.3
	Minimum	14	32	60	30	20	33	34	31	26	37	32	30	30	24	35	39	15	16	25	40	43	35	50	40	28	30	38	34	28	34	43	32.4
Russellville§§	Maximum	43	62	68	35	47	45	45	48	58	56	56	51	40	49	46	57	52	40	60	68	67	67	65	57	50	58	52	48	55	62	58	52.7
	Minimum	16	19	24	29	13	28	31	30	22	25	31	29	30	21	30	33	14	14	16	31	37	32	32	46	29	25	27	29	29	28	31	26.6
Central Division.																																	
Anchorage	Maximum	40	59	65	49	41	43	45	43	46	54	48	46	39	43	38	57	37	35	56	63	61	63	56	55	50	51	55	46	43	60	63	50.0
	Minimum	10	29	38	29	15	30	29	30	17	28	34	30	28	19	27	30	14	11	28	35	36	31	41	39	25	29	31	26	25	24	43	27.8
Bowling Green	Maximum	42	62	67	65	47	45	45	50	54	58	53	52	52	48	45	59	54	62	63	71	69	67	62	58	52	61	54	51	57	63	61	56.4
	Minimum	18	22	48	26	29	30	35	33	28	35	32	31	28	28	29	38	17	24	38	42	34	45	47	40	30	30	39	34	31	30	48	32.5
Clermont	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Danville	Maximum	37	62	63	62	42	42	40	36	46	60	51	49	43	47	44	55	48	35	58	68	64	65	58	60	50	55	50	51	50	63	68	52.3
	Minimum	12	26	49	27	17	27	32	28	24	25	34	32	30	27	22	33	13	11	21	34	37	29	40	41	24	25	31	31	27	21	44	28.3
Dix Dam	Maximum	39	59	68	62	43	44	43	37	46	59	55	48	48	48	48	54	49	36	56	69	67	65	64	59	55	56	55	52	48	62	65	53.4
	Minimum	15	28	51	30	19	32	33	29	24	28	36	30	32	31	25	35	14	13	24	32	39	33	43	46	27	26	32	30	24	45	46	30.3
Eubank	Maximum	40	59	58	58	48	56	42	36	39	48	55	50	45	46	49	52	48	48	59	69	65	67	59	59	52	61	53	50	47	63	65	53.5
	Minimum	7	26	37	26	17	22	32	28	18	27	32	30	29	29	22	32	13	12	31	29	39	34	39	41	27	28	32	30	29	22	43	27.5
Frankfort	Maximum	41	59	66	55	45	42	39	41	50	57	49	50	42	51	43	56	49	38	56	70	62	63	57	61	52	57	55	53	50	61	66	52.8
	Minimum	14	30	49	26	17	31	31	29	21	30	33	30	28	21	21	32	12	9	23	28	35	30	35	41	28	24	27	30	26	21	41	27.5
Glasgow	Maximum	42	60	61	61	48	49	45	40	49	61	53	50	50	48	49	53	55	57	59	67	68	68	68	60	58	59	59	51	59	61	62	54.9
	Minimum	17	28	51	31	21	28	35	30	28	32	33	28	32	23	25	37	16	15	23	36	36	33	46	47	29	26	35	28	25	26	45	30.4
Greensburg	Maximum	40	62	64	63	47	45	45	39	48	63	52	51	49	50	48	55	52	39	61	70	65	68	64	61	56	60	54	52	53	63	..	*54.6
	Minimum	14	26	49	28	17	24	32	27	20	29	31	28	29	22	21	34	13	12	20	23	35	29	42	44	26	22	27	28	27	21	..	*26.8
Irvington	Maximum	39	61	67	48	43	42	45	48	48	54	48	48	40	49	41	53	30	38	58	69	61	65	50	56	50	55	55	47	51	63	65	51.2
	Minimum	13	30	46	28	18	37	31	28	22	32	32	29	31	22	30	27	12	9	25	37	37	28	41	40	25	27	30	28	30	26	45	28.8
Leitchfield	Maximum	42	61	68	64	46	48	55	47	52	56	50	51	44	50	46	57	40	39	60	70	64	67	62	58	51	58	56	51	55	63	68	54.4
	Minimum	14	30	51	29	19	30	32	30	24	34	32	29	30	24	26	35	13	12	25	33	43	30	45	45	26	29	34	29	28	30	46	30.2
Lexington	Maximum	39	56	62	37	43	42	35	36	48	57	47	47	41	47	41	52	28	34	54	69	61	65	51	60	49	55	52	52	46	59	65	49.4
	Minimum	14	25	37	27	18	29	31	30	21	29	34	29	28	25	26	20	12	10	25	35	33	29	40	33	27	28	33	31	27	25	44	27.6
Maxwton	Maximum	40	60	66	36	41	43	42	46	47	54	47	46	38	47	41	53	27	35	56	68	60	63	47	54	50	52	53	44	48	50	63	49.3
Louisville	Minimum	18	32	36	27	24	34	35	30	30	37	36	33	38	30	33	20	14	12	31	44	37	31	43	36	29	32	36	36	31	31	49	31.6
Do. Bowman Field	Maximum	39	61	68	37	41	42	43	45	48	53	47	46	39	47	40	53	27	35	56	68	60	64	47	55	50	51	53	45	49	60	63	49.5
	Minimum	16	31	36	24	20	32	33	30	28	35	35	32	31	24	30	19	14	12	28	37	36	31	41	35	27	29	29	32	30	27	46	29.2
Mammoth Cave	Maximum	42	66	65	34	46	44	44	34	50	49	49	50	38	49	40	56	30	39	58	69	67	67	52	60	50	58	58	49	53	61	63	51.3
	Minimum	12	18	34	30	15	21	31	30	20	36	31	28	30	20	22	33	13	12	16	34	38	28	38	45	26	21	34	26	27	22	40	26.8
St. John	Maximum	41	60	65	64	44	43	48	44	48	55	50	50	46	46	46	55	31	37	58	67	63	65	53	58	58	58	58	51	52	60	62	53.1
	Minimum	14	28	50	27	20	28	31	28	23	32	32	29	31	24	25	34	12	11	23	30	39	28	42	43	25	28	31	27	25	25	43	28.6
Shelbyville	Maximum	40	58	64	57	41	42	41	40	46	55	49	49	49	48	43	58	46	34	55	62	62	65	60	55	50	55	55	51	46	60	58	51.5
	Minimum	9	27	48	23	14	27	30	28	18	28	32	25	26	20	23	30	10	8	21	31	32	25	35	39	23	25	27	28	24	20	41	25.7
Smith's Grove	Maximum	42	59	63	34	46	44	44	46	51	58	50	50	42	51	40	56	31	38	58	67	66	66	53	60	56	60	54	48	50	62	61	52.0
	Minimum	17	30	38	24	22	31	35	30	26	34	33	31	32	27	30	22	16	15	25	42	41	31	46	42	28	30	38	30	28	26	46	30.6
Stearns	Maximum	36	58	56	46	48	50	38	33	42	61	48	50	36	47	42	49	30	36	61	67	66	70	59	56	50	64	47	54	47	62	62	50.7
	Minimum	14	25	45	22	18	26	33	29	25	30	32	29	29	28	24	26	15	12	21	34	41	35	48	36	31	29	35	34	31	26	45	29.8
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	37	55	62	63	37	39	35	38	47	54	53	45	40	45	47	58	21	33	51	65	67	59	59	54	50	51	53	51	43	60	65	50.3
	Minimum	12	23	49	24	16	22	29	28	21	27	33	29	24	24	26	33	10	7	21	30	33	27	34	40	26	26	29	33	26	26	44	26.8
Eastern Division.																																	
Annville	Maximum	38	67	62	63	43	53	40	35	45	62	50	50	39	48	42	62	50	35	55	68	64	66	58	52	52	61	49	64	45	..	65	*52.8
	Minimum	8	16	46	25	12	20	31	26	20	31	33	29	26	24	17	21	12	12	17	24	31	30	37	46	29	20	31	30	17	33	38	24.6
Ashland	Maximum	38	51	61	60	45	40	39	36	47	56	53	46	40	46	52	51	49	34	48	68	62	59	57	60	54	54	51	54	48	58	68	51.2
	Minimum	15	15	40	26	15	21	35	31	29	34	33	35	27	27	37	34	15	12	18	27	38	30	31	41	32	33	27	29	34	18	35	27.5
Berea	Maximum	36	57	59	60	45	40	59	38	48	61	58	47	45	46	42	52	50	32	59	67	62	65	64	59	56	55	50	53	..	61	65	*53.0
	Minimum	12	19	46	27	15	25	31	29	17	32	34	33	30	28	24	33	12	11	26	38	37	30	38	45	27	24	32	38	..	24	48	*28.7
Farmers	Maximum	38	51	59	59	44	40	36	32	47	58	47	46	36	49	37	50	50	33	54	64	60	60	50	57	48	52	51	46	40	57	63	48.8
	Minimum	6	15	47	28	13	22	31	30	16	21	36	33	24	24	17	33	28	11	16	28	30	28	36	45	28	21	26	27	31	17	35	25.6
Heidelberg	Maximum	38	55	59	54	47	44	41	38	47	62	58	50	46	51	47	51	51	36	57	70	65	66	61	60	58	61	56	54	47	59	67	53.4
	Minimum	12	16	35	30	14	23	34	32	16	22	37	28	28	32	18	35	16	14	19	26	33	25	34	46	32	21	27	30	34	20	38	26.6
Lynch [near]	Maximum	25	40	44	46	49	39	37	..	..	49	46	40	33	30	34	35	33	30	25	55	55	57	53	48	44	51	46	40	37	48	54	b42.2
	Minimum	2	11	34	15	19	24	29	..	..	19	21	20	19	17	14	22	9	9	10	33	39	35	38	36	20	23	22	20	19	33	38	b22.0
Maysville	Maximum	37	52	51	61	40	40	41	36	47	57	54	48	40	47	48	51	50	33	51	67	60	62	58	58	49	51	54	51	43	57	56	50.5
	Minimum	15	16	20	27	12	23	30	32	20	28	37	33	24	22	20	34	14	12	19	37	39	26	28	40	26	22	26	28	31	24	38	25.5
Middlesboro	Maximum	39	55	56	55	49	50	52	46	49	63	53	52	49	50	50	50	48	57	67	72	74	73	66	60	60	66	55	61	65	63	57.1	
	Minimum	20	20	42	30	19	23	37	33	30	26	36	34	30	31	21	36	18	16	21	26	33	29	41	46	34	25	35	29	34	22	39	29.5
Mount Sterling	Maximum	38	53	58	48	42	42	38	34	47	57	53	45	40	46	42	50	45	35	52	65	68	65	..	..	..	..	..	..	..	..	..	.....
	Minimum	11	21	44	28	16	25	30	30	18	28	35	32	28	26	23	30	14	10	24	32	34	30	..	..	..	..	..	..	..	..	..	.....
Pikeville	Maximum	38	55	61	40	48	46	42	42	51	63	52	58	43	52	51	51	39	50	55	73	67	71	64	55	55	62	53	53	57	42	58	70	52.9
	Minimum	18	16	34	27	21	28	34	32	28	25	38	30	27	25	22	30	20	17	28	28	35	27	32	44	29	25	30	30	32	24	32	27.8
Pippapass	Maximum	38	55	59	59	40	48	47	50	60	68	68	52	52	50	49	47	45	38	71	68	70	52	45	62	55	65	60	56	54	60	56	54.3
	Minimum	12	15	37	39	20	17	33	24	30	35	36	35	21	30	20	35	16	12	27	26	30	21	18	31	18	22	29	28	24	27	26	25.8
Quicksand	Maximum	40	57	62	54	46	39	44	40	47	53	51	51	42	51	46	50	40	37	57	70	65	68	62	60	55	62	55	57	44	60	68	52.8
	Minimum	9	14	39	29	15	22	32	30	25	23	35	30	26	30	18	36	15	18	18	24	32	27	31	45	32	21	28	27	26	20	32	25.9
Richmond	Maximum	36	56	60	35	45	45	40	45	48	58	45	45	40	50	40	50	32	40	50	68	65	68	67	58	50	55	50	50	50	60	65	50.2
	Minimum	13	29	46	30	20	28	33	30	20	32	35	32	32	28	30	33	13	12	25	40	40	32	45	47	30	28	33	31	30	28	45	30.6
Williamsburg	Maximum	38	57	55	54	49	51	50	41	17	64	65	55	49	47	47	50	48	41	60	70	69	70	60	60	61	40	56	59	64	67	55.6	
	Minimum	19	25	45	30	18	25	37	31	26	29	35	33	30	31	28	37	17	13	21	29	34	35	42	48	38	25	34	30	33	24	26	29.7
Winchester	Maximum	38	56	60	55	42	41	38	35	46	58	49	47	38	46	40	52	46	34	58	67	62	66	59	58	55	59	49	45	58	65	65	50.1
	Minimum	11	21	46	26	16	28	30	28	22	26	35	30	29	25	22	32	12	8	21	35	36	27	40	44	24	24	31	32	27	23	43	27.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

a, b, c etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 5-10 41-1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., APRIL, 1941 No. 4

GENERAL SUMMARY.

Decidedly warm weather, averaging about 8° above normal, prevailed during the first two decades. Rapid growth in this period of excess warmth largely made up for the late start and time lost by early vegetation on account of the prolonged cold of the preceding month. During this period grass and grains developed to such an extent as to reach a stage appropriate to their usual condition at the end of this month. Wheat was jointing in the central counties in the third week, while rye and barley were heading in western districts. In the last week wheat began to head in the extreme west. In the northern and western counties on the uplands of the drier type, grains showed a tendency to irregular growth, lighter than normal color, and to head with short straw. Apparently these conditions resulted from deficient subsoil moisture. Certain irregularities in the growth of grass in such areas were attributed to the same cause.

Tobacco plants came up about a week late, but grew so rapidly thereafter that they had practically reached the seasonal stage by the end of the month. Corn land was easily conditioned in most places, but land in the western and northern counties that was left too long without harrowing became somewhat cloddy. Planting began in southwestern districts about the middle of the month and advanced rapidly for several days, after which the subnormal temperature delayed the work. Most cotton was planted in the warm middle decade. Potatoes came up well and cultivation began. Gardens and truck were planted without much interference by rain. Fruit trees began blooming in the southwest in the second week, and blossoming extended rapidly northward. Frost and freezing temperatures on the 26th in the northeastern counties caused some damage to fruit; and may have affected wheat, which had reached 10 to 12 inches in height on the warmer uplands. Strawberries improved to a remarkable degree, and were blooming at the end of the month. Pastures developed so rapidly as to furnish good grazing by the 15th. Alfalfa came forward exceptionally well with a stand almost perfect. The first crop was nearly ready to cut in the southwest. Preparation for corn and tobacco was more advanced than usual, due to the slight interference by rain.

TEMPERATURE.

Temperatures for the month averaged 3° to 6° above normal. Except for a few moderately cool days, temperatures considerably above the average prevailed through the first decade. In the second decade the daily excess ranged from 7° to 22° in northern districts and nearly as much in southern sections. Maxima reached 90° at several stations in this period. Nearly a week of cool weather followed, with daily deficiencies of 4° to 8°, and minima of freezing or slightly lower at some eastern stations. The range for the State was between 93° at some western and southern stations in the period 12-20th, and 30° at several eastern stations on the 1st, 3d, or 26th.

PRECIPITATION.

Precipitation averaged about three-fourths of the normal, but varied greatly in distribution. A considerable south-central area received 4.0 to 6.0 inches, and contained several stations at which the fall was greater than the monthly normal. From this section it diminished sharply toward the northwest, north and northeast to a minimum of 1.5 to 2.5 inches along the Mississippi, Ohio, and Big Sandy rivers. In a semi-circular belt from Todd county through the southern bluegrass to the Virginia border from 3.0 to 4.0 inches occurred. In a broad district from the Ohio River southward amounts varied between 1.5 and 3.0 inches. In the south-central district of heavy rainfall, which also included most of the heavier March rains, there was some replenishment of subsoil moisture. Amounts for the State ranged between 1.87 inches at Ramsey, in the lower valley of the Green, and 8.41 inches at Williamsburg, in the upper valley of the Cumberland. Light to moderate rain occurred generally in the period 3d-6th in the northern and western counties, and heavy rain in south-central districts. Irregularly distributed showers fell on the 1st, 9-10th, and 16th-24th. Days with thunderstorms were: 2, 3, 4, 8, 9, 16, 17, 18, 19, 20.

MISCELLANEOUS.

April 16.—A windstorm caused disruption of electric service and minor damage to lines in Jefferson County. Up to this date forest fires continued locally in twelve southeastern counties and also in Lyon and Trigg counties.

Rivers.—A moderate rise in the upper Ohio passed downstream during the second week. Tributary streams in the State remained very low.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo .....Ill.	30.03	30.43	26	29.54	3	8.2	27	sw.	14	75	49	.	68
Cincinnati .....Ohio	30.07	30.46	26	29.60	5	7.6	30	sw.	20	75	42	51	71
Evansville..... Ind.	30.05	30.45	26	29.57	4	8.1	34	nw.	16	81	49	56	71
Louisville .....Ky.	30.06	30.44	26	29.57	4	8.2	29	sw.	19	81	51	57	64

COMPARATIVE DATA FOR APRIL.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889.....	57.0	89	24	1.61	...	..	..	..	..
1890.....	57.0	92	28	4.04	....	..	..	..	.
1891.....	58.0	92	24	2.52	....	..		..	..
1892.....	56.0	88	22	7.12	....	..	..	..	..
1893.....	58.0	94	21	6.99	....	..	..	..	..
1894.....	56.0	94	23	3.54	....	..	..	..	..
1895.....	57.2	94	22	3.18	....	9	13	8	9
1896.....	63.6	96	24	1.65	...	6	13	12	5
1897.....	55.5	90	25	6.03	T.	11	11	9	10
1898.....	52.4	86	19	3.38	1.1	9	12	8	10
1899.....	57.2	96	20	3.16	0.3	9	13	8	9
1900.....	56.2	90	15	2.15	T.	8	14	8	8
1901.....	50.9	91	23	4.01	2.6	10	11	5	14
1902.....	54.2	93	22	2.65	0.1	9	14	9	7
1903.....	55.4	90	22	4.43	T.	12	10	7	13
1904.....	50.8	85	16	2.83	1.7	11	10	7	13
1905.....	56.7	91	23	3.00	0.2	9	12	8	10
1906.....	59.5	94	23	1.40	0.0	6	17	7	6
1907.....	48.2	87	19	2.78	0.2	11	10	5	15
1908.....	59.8	89	23	6.56	0.8	14	12	6	12
1909.....	56.1	96	21	5.98	T.	10	14	7	9
1910.....	55.4	88	23	5.14	0.7	14	12	6	12
1911.....	53.8	90	20	7.06	T.	14	11	5	14
1912.....	58.4	87	25	7.90	T.	12	11	7	12
1913.....	55.3	89	27	2.73	T.	10	14	5	11
1914.....	55.7	91	13	3.62	T.	10	11	8	11
1915.....	60.1	96	17	0.96	0.0	5	17	8	5
1916.....	54.0	89	23	2.64	1.4	9	11	8	11
1917.....	55.8	90	19	5.02	0.5	8	14	7	9
1918.....	53.9	87	25	4.07	0.3	12	8	8	14
1919.....	56.7	89	19	3.51	0.0	10	13	7	10
1920.....	50.8	89	22	6.16	0.2	13	9	8	13
1921.....	58.2	90	22	4.09	T.	10	15	7	8
1922.....	59.5	88	25	4.25	0.0	10	14	8	8
1923.....	54.8	90	13	4.88	0.0	9	15	6	9
1924.....	57.4	93	19	3.41	0.1	10	13	7	10
1925.....	61.2	98	23	3.16	0.0	10	14	7	9
1926.....	51.6	87	16	3.17	T.	10	13	7	10
1927.....	58.7	92	22	6.39	T.	15	10	8	12
1928.....	52.9	83	21	4.20	0.6	11	11	9	10
1929.....	60.1	90	23	3.57	0.0	10	14	8	8
1930.....	58.9	94	21	1.31	0.0	6	16	8	6
1931.....	55.9	89	25	4.52	0.1	8	15	6	9
1932.....	56.4	86	25	3.88	T.	10	13	6	11
1933.....	55.7	87	27	4.74	0.0	13	14	7	9
1934.....	56.9	90	24	2.16	T.	8	13	10	7
1935.....	55.8	92	24	4.42	T.	12	10	6	14
1936.....	53.1	90	19	4.79	0.1	11	11	8	11
1937.....	55.9	91	22	4.38	0.0	12	11	8	11
1938.....	59.3	91	22	2.85	T.	9	14	8	8
1939.....	53.7	91	21	6.07	T	13	11	8	11
1940	54.1	89	19	4.88	0.1	11	10	7	13
1941.....	60.0	93	27	2.89	0.0	9	12	10	8
Period †	56.1	98	13	3.99	0.3	10	13	7	10

†53 year averages.

Natural History Lib.

Climatological Data for April, 1941.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	29	60.8	+ 4.4	87	13	34	26	38	1.89	−2.23	0.61	0	8	10	5	15	sw.	Eldred G. Young.
Calhoun	McLean	437	37	*59.4	+ 1.0	*88	12	36	8	41	1.39	−2.84	0.52	0	6	14	3	13	.....	K. C. Bennett.
Earlington	Hopkins	420	47	62.3	+ 4.6	93	12	34	26	46	1.78	−2.32	0.53	0	9	16	7	7	sw.	Brick Southworth.
Fords Ferry, Dam 60	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	2.00	−1.44	0.45	0	8	...	...	...	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	3.50	.....	1.60	0	9	...	...	...	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	59.9	+ 2.6	86	13†	35	2†	40	1.61	−2.75	0.46	0	6	17	11	2	s.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	2.37	.....	0.57	0	12	13	6	11	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	60.8	.....	87	12	34	25	39	2.47	−1.35	0.80	0	9	13	14	3	e.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	61.8	+ 4.2	87	13†	40	6†	36	2.82	−1.99	1.00	0	7	20	9	1	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	62.0	+ 4.1	89	12	35	6	37	2.14	−1.65	1.10	0	7	13	8	9	s.	Blaine Malone.
Mayfield	Graves	364	32	*63.4	+ 5.1	87*	12	43*	2†	30*	2.06	−2.20	1.31	0	9	15	12	3	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	*60.0	+ 2.5	88*	13	38*	2	33*	2.54	−2.17	0.80	0	7	...	...	...	.....	Ralph B. Wear.
Owensboro	Daviess	420	44	59.9	+ 4.2	86	13	39	2	34	1.84	−2.12	0.67	0	8	16	6	8	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	2.59	−0.89	0.80	0	12	...	...	...	.....	Lockmaster.
Paducah	McCracken	341	21	62.5	+ 3.8	87	12	39	6	29	2.19	−2.23	1.24	0	10	19	5	6	.....	Joe Lagore.*
Princeton	Caldwell	629	34	62.9	+ 4.7	88	12	38	6†	34	2.11	−2.27	0.84	0	10	13	11	6	.....	S. J. Lowry.
Rumsey, Lock 2‡	McLeau	384	24	.....	.....	.....	.....	.....	.....	.....	1.37	−2.77	0.50	0	10	..	..	..	.....	Lockmaster.
Russellville	Logan	590	28	60.0	+ 2.6	87	13	35	26	41	1.98	−2.62	0.89	0	9	17	4	9	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	2.57	−0.86	0.91	0	10	...	...	...	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	13	.....	.....	.....	.....	.....	.....	.....	1.89	−1.80	0.58	0	12	...	...	...	.....	Lockmaster.
Anchorage	Jefferson	700	41	58.0	+ 4.2	85	13	32	26	36	2.65	−1.15	0.95	0	7	18	6	6	sw.	C. E. Barret.
Bowling Green	Warren	500	45	63.2	− 4.7	87	13	43	22	34	4.82	+0.48	2.03	0	11	17	2	11	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	4.33	−0.03	2.65	0	11	...	...	...	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	5.59	+1.39	1.85	0	11	...	...	...	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	3.63	−0.02	1.95	0	6	...	...	...	.....	Lockmaster.
Clermont	Bullitt	474	3	.....	.....	86	20	.....	.....	.....	3.71	.....	1.80	0	8	15	9	6	sw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	1.56	−2.10	0.65	0	9	...	...	...	.....	Lockmaster.
Danville	Boyle	955	17	58.6	.....	86	15	36	26	37	3.73	−0.08	0.83	0	9	13	10	7	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	60.4	+ 3.6	87	19	36	26	37	3.72	+0.62	1.10	0	7	13	9	8	se.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	5.81	.....	2.43	0	11	...	...	...	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	59.9	+ 5.3	93	20	32	1	40	5.20	+1.26	1.60	0	8	9	9	12	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	58.8	+ 3.1	86	12†	33	26	44	2.53	−1.23	1.11	0	8	7	15	8	sw.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	2.15	−1.59	0.75	0	8	...	...	...	.....	Lockmaster.
Glasgow	Barren	760	14	60.9	+ 3.2	84	13†	36	27	38	4.17	−0.12	1.78	0	12	9	19	2	e.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	1.79	−1.55	0.49	0	8	...	...	...	.....	Lockmaster.
Greensburg	Green	581	48	58.6	+ 3.1	85	13	33	27	41	5.41	+1.52	1.80	0	11	3	4	23	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	2.99	−0.52	0.76	0	8	...	...	...	.....	Lockmaster.
Irvington	Breckinridge	646	43	59.5	+ 3.8	87	13	35	22	40	2.80	−1.16	0.69	0	10	13	7	10	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	2.97	.....	1.20	0	8	17	6	7	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	3.13	+0.01	0.98	0	9	...	...	...	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	60.5	+ 4.6	87	13	38	26	38	3.63	−0.73	1.41	0	10	7	12	11	sw.	D. Lem Hughes.
Lexington	Fayette	989	57	59.0	+ 4.7	86	19	35	2	35	2.22	−1.28	0.71	0	9	17	8	5	. ..	U. S. Weather Bureau.
Little Hickman, Lock 8¶	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	3.08	−0.32	0.78	0	7	...	...	...	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	2.60	−1.13	0.91	0	8	...	...	...	.....	Lockmaster.
Louisville	Jefferson	459	68	61.0	+ 4.6	86	13	41	2	31	2.77	−1.11	1.42	0	9	13	9	8	ne.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	59.2	.....	86	13	36	26	36	2.80	.....	1.04	0	11	...	...	...	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	59.4	.....	85	13†	34	2†	41	4.01	.....	2.09	0	12	11	8	11	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	4.93	.....	2.25	0	7	16	6	8	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	3.35	−0.42	1.53	0	10	..	..	..	.....	Chester Williams.
St. Jons	Hardin	777	45	59.3	+ 4.6	84	13	35	26	35	3.42	−0.82	1.10	0	11	12	7	11	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	3.56	−0.10	0.86	0	9	...	...	...	.....	Lockmaster.
Shelbyville	Shelby	825	48	57.0	+ 2.4	84	19	31	22	40	2.61	−1.30	0.72	0	10	14	0	16	sw.	Willa S. Ratta.
Smith's Grove	Warren	607	3	61.6	.....	84	12†	42	11†	33	2.37	.....	0.80	0	9	5	12	13	s.	C. W. Cuernsey.
Stearns	McCreary	1400	5	59.8	.....	85	19	39	7	33	4.29	.....	1.92	0	12	10	10	10	sw.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5¶	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	3.41	−0.58	1.10	0	8	...	...	...	.....	Lockmaster.
Williamstown	Grant	943	38	60.0	+ 6.6	87	13	34	2†	33	2.59	−0.85	1.22	0	7	20	3	7	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	2.95	−1.17	1.39	0	10	...	...	...	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	57.7	.....	85	19†	30	26	46	2.95	.....	0.97	0	10	9	15	6	sw.	W. A. Worthington.
Ashland	Boyd	534	24	58.6	+ 3.0	89	19	27	3	43	2.07	−1.58	0.66	0	11	11	9	10	w.	Lockmaster.
Berea	Madison	1070	38	59.6	+ 3.8	88	19	34	26	40	2.78	−1.84	0.84	0	7	18	3	9	sw.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	1.81	−1.41	0.57	0	8	...	...	...	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	1.52	−2.14	0.73	0	4	...	...	...	.....	S. M Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	2.67	−1.01	1.05	0	6	...	...	...	.....	Jessie Oldham.
Farmers	Rowan	668	34	56.9	+ 2.4	89	19	30	26	43	1.69	−2.01	0.76	0	11	11	13	6	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	1.47	−2.42	0.54	0	7	...	...	...	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	2.31	−0.94	0.74	0	8	...	...	...	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	1.84	−1.64	0.65	0	5	...	...	...	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	1.65	−1.84	0.43	0	10	...	...	...	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	3.38	+0.09	1.55	0	9	...	...	...	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	59.6	.....	90	19	32	3	46	3.29	−0.03	0.90	0	9	10	4	16	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	2.68	.....	1.15	0	6	...	...	...	.....	Jas. T. Goff.
Jenkins	Letcher.	1566	15	.....	.....	.....	.....	.....	.....	.....	2.95	−0.89	0.92	0	9	...	...	...	.....	R. J Howard.
Louisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	2.08	−1.26	0.65	0	8	...	...	...	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	52.6	.....	78	19	31	22	33	2.38	.....	0.90	0	7	17	3	10	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	58.6	+ 4.3	88	19	30	3	42	1.75	−1.89	0.69	0	9	8	16	6	s.	Lockmaster.
Middlesboro	Bell	1128	42	63.6	+ 6.9	93	12	35	27	40	4.90	−0.09	2.40	0	11	15	12	3	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	59.7	+ 5.8	86	19	36	2†	37	2.05	−2.01	0.67	0	5	15	10	5	w.	W. R McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	1.46	−2.48	0.69	0	7	...	...	...	.....	Lockmaster.
Palmyville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	3.15	.....	0.91	0	12	...	...	...	.....	C. C. Fraley.
Pikeville	Pike	636	5	60.9	.....	93	19	31	3	43	2.71	−0.87	0.99	0	8	7	15	8	.....	U. S Weather Bureau.
Pippapass	Knott	1035.	7	60.8	.....	92	19	30	1†	46	3.23	.....	1.43	0	6	16	5	9	w.	Caney Run Com. Cen.
Quicksand	Breathitt	732	15	59.6	+ 2.8	90	19	35	27	47	3.06	−1.17	1.18	0	9	...	..	...	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	3.72	+0.61	0.77	0	10	...	...	...	.....	Lockmaster.
Richmond	Madison	926	44	59.3	+ 3.2	85	30	38	26	32	2.71	−0.88	0.76	0	10	19	6	5	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	3.18	−0.14	0.81	0	9	...	...	...	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	2.09	−1.65	0.41	0	10	...	...	...	.....	Lockmaster.
Williamsburg	Whitley	939	44	61.2	+ 4.6	87	14	33	27	40	8.41	+4.16	2.21	0	8	19	5	6	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	3.93	+1.16	1.03	0	7	...	...	...	.....	Lockmaster.
Winchester	Clark	964	4	59 0	....	86	19	36	22	33	1.98	.....	0.82	0	8	2	23	5	.....	Airway Station.
State averages and extremes		.....	..	60.0	+ 3.9	93	12†	27	3	47	2.89	−1.10	2.65	0	9	12	10	8	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for April, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.			.21	.61	.08				.08							.03	.46	T.		18			.24									1.89
Calhoun O.				.19	.10											.05	.40			.52			.13									1.39
Carlington [2] G.	.08			.32	.14				T.						T.	T.	.42	.11	.03	.53			.05	.10								1.78
Fords Ferry Dam 50 [2] O.	.09		.14	.45	.11	.01			.03						T.	T.	T.			1.08			T	.09								2.00
Gilbertsville [2] T.	.11		T.	.70	.47	T.			.34						T.	.10	.03			1.60	T		.04	.05								3.50
Greenville G.	.02	T.	.39	.46												.07	.15		.27				.25									1.61
Hartford G.	.02	T.	.22	.37	.30	.01	T.		.08						T.	.15	.57	.15	.07	.22			.21									2.37
Henderson O.		.11	.27	.55	.13				.32						.02	.22	T.	.05	T.	.80			T									2.47
Hopkinsville [2] C.	.21			1.00	.09				T.							T.	.30			.88			.05	.29								2.32
Lovelaceville M.		.04	.55												.05	.05	.25		1.10				.10									2.34
Mayfield M.	.03	T.	.11	.13	.01				.07						.06	.08				1.31		.26										2.66
Murray [2] T.				.75	.29									.26	.02		.11		.80				.31									2.54
Owensboro [2] O.	.02		.09	.12	.29				.67	T.					T.	.02	.60	.03	T				T.						T.			1.84
Owensboro, Dam 46 [2] O.	.07		.07	.12	.44	.09			.29	.10						.01	.80	.07		.51			T.	.02								2.59
Paducah [2] O.	.09		.08	.35	.05	T.			.11						.03	.01	T.	.19		1.24			.04	T.	T.							2.19
Princeton G.	.03			.84	.04			.04	.01						.02	.04	.26			.69			.14									2.11
Rumsey, Lock No. 2 [2] G.	.08		.02	.16	.06	.01			.01								.37	.04	T.	.50				.12								1.37
Russellville [2] G.	.10			.89	.08					.06							.01		.12	.26			.03	.43								1.98
Uniontown, Dam 49 [2] O.	.03		.46	.60	.06	.04			.15	T.						.03	.28			.91			T.	.01								2.57
Central Division																																
Addison, Dam 45. [2] O.	.08			.22	.53	.10			.02	.58						.01	.15	.01		.09	.01		T.	.09								1.89
Anchorage O.				.95	.13				.16							.85	.30	T.		.01			.19									2.65
Bowling Green [3] G.	.20			2.03	.05	.02			.10	.10							.30	.12	1.27				.03	.60								4.82
Bowling Green No. 2 [3] G.	.19	T.		1.93	.06	.08			.06	.08							.27	.14	1.42	.07			.02	.48								4.80
Brownsville, Lock No. 6 [2] O.	.12			2.65	.20	.05			.10	.12						.03	.18	T.	.86	.02			.02	.56								4.33
Burnside [2] C.	.05			1.85	.00	.10			.10	.95						.02			.62		.02		.02	1.26								5.59
Carrollton Lock No. 1 [2] K.	.86			.48	.57	.07											1.95	.40														3.63
Clermont S.	.20			1.80	.75	.09			.01	.21							.34							.31								3.71
Cold Spring, Dam 36 [2] O.	.07			.19	.64	.05				.02							.19	.80			.03			.07								1.56
Danville [2] K.	.06			.31	.76	.06			.01	.41							.72				.13		T.	.80								3.75
Dix Dam, Burgin K.			.82	.25	.05				.32							1.10				.25	.13		.89									3.72
Eadsville [2]	.04	.09		2.43	.77	.08			.05	1.20							.16	.04		.08				.87								5.81
Eubank C.				1.60				40		.88						.80	.27	.15	.10					1.00								5.20
Frankfort, Lock No. 4 [2] K.	.16	T.		.36	1.11	.04			T.	.07							.19	.22		T.	T.		T.	.38								2.53
Gest, Lock No. 3 [2] K.	.36			.21	.37	T.			.03	.06							.75	.15	T.					.18								2.15
Glasgow G.	.29			1.78	.24	.01	T.		.02	.24							.22	.18	.40	.02	.13			.68								4.17
Grant, Dam 33 [2] O.	.49			.18	.36	T				.05						T.	.27	.26		T.	T.			.08				.10				1.79
Greensburg [2] G.	.29	.13		1.50	.45	.10			.05	.65						T.	.99		.17	T.	.40		T.	.68								5.41
High Bridge, Lock No. 7 [2] K.	.08			.71	.22	.05			T	.35						T.	.76				.14		T.	.68								2.99
Irvington O.			.21	.69	.53			.01	.18	.05							.49	T.	.25				.19									2.80
LaGrange O.	.19			1.08	.16				.13							.02	1.20						.07									2.97
Lancaster [2] K.			.98	.47	.09			.04	.31								.48				.13	.02	.61									3.13
Leitchfield [2] G.	.24			1.41	.50				.05	.01							.88	.04	T.	.09			.10	.31								3.63
Lexington [4] K.	.01		.16	.57	.08	T.			.10							.43	.07	T.		.14			.60									2.22
Little Hickman, Lock No. 8 [2]// K.	.08			.68	.62				T	.28							.54				.10			.78								3.08
Lockport, Lock No. 2 [2] K.	.34			.94	.41	.06			T	.22						T.	.91	.08	T	T.			T.	.21			T.					2.60
LOUISVILLE [1] [4] O.	.04		.27	.41	.12	T.		T.	.31							1.21	.21	T.		.11			.09			T.						2.77
Do. Bowman Field O.	.04		.52	.44	.09	T.		T.	.26	.01						.94	.25			.08			.16				.01					2.80
Mammoth Cave [2] G.	.20			2 09	.20	.03			.06	.18							.31	.06	.25	.06	T.		.02	.55								4.01
Monticello [2] C.	.04			2.25	.79	.20				.35														1.10		.26						4.93
Munfordville [2] G.	.08	.06		1.53	.31	T.		T.	.26								.26	.04	.12	.07			T.	.62								3.35
St. John [2] S.	.09			1.10	.33	.07			.02	.29							.86		.26	.06	T.		.02	.32								3.42
Salvisa, Lock No 6 [2] [4] K.	.11			.83	.76	.07			T.	.29						T.	.86				.06		.01	.57								3.56
Shelbyville [2] K.	.31			.72	.38	.10			.02	.31							.24	.15	T.		.10			.28								2.61
Smith's Grove G.	T.	T		.09	.08				.80							.20	.12	.45		.05		.01	.57									2.37
Stearns C.	.02		.28	1.92	.08	.02			.28	.02							.18	.18		.05			1.16	.12								4.29
Taylorsville S.																																
Tyrone, Lock No. 5 [2] [4] K.	.20	T.		.55	1.10	.06				.25							.70				.07		T.	.48								3.41
Williamstown [2] L.	.22				.76	.09				.02							1.22							.20				.08				2.59
Woodbury, Lock No. 4 [2] G.	.11			1.39	.11				.10								.16	.05	.27	.18			.08	.50								2.95
Eastern Division																																
Annville [2] C.	.01			.97	.28	.03			.48							T.	.01	.10		.07			.80	.25								2.95
Ashland [2] O.	.05	.35		.18	.24	.03				.21	.11						.10	.10			.04			.66								2.07
Berea K.				.84	.45	.02			.30								.26			.10			.81									2.78
College Hill, Lock No. 11 [2] K.				.30	.27	.03				.12							.47				.04		.01	.57								1.81
Cynthiana [2] L.				.11	.73	T.					T.						.31				T.			.37								1.52
Falmouth [2] L.	.11			.10	1.04	.05			T.	T.							1.05	T.			T.			.32			T.					2.67
Farmers [2] L.	.05	.03		.18	.11	.20			.04	.08							.16	.02		.06			.76									1.69
Fleemingsburg [2] L.	.09			.02	.54	.06											.19			.12				.45								1.47
Ford, Lock No. 10 [2] [4] K.	T.	T.		.33	.35	.02			.05	.17							.46				.19		T.	.74								2.31
Grayson [2] O.	T.	.20		.28	.15																.10			.65								1.38
Greenup, Dam 30 [2]// O.	.06	.24		.08	.33	.06				.04							.16	.14			.11			.42								1.65
Hazard [2]// K.	.08	.12			1.07	.20				.10								.10			.08		1.55	.08								8 38
Heidelberg, Lock No. 14 [2]. K.	.03			.38	.53	.16					.17							.35	.68		.04			.90								3.29
Jackson [2] K.				.35	.42					.34								.24	.18				T.	1.15								2.68
Jenkins [2] B.		.25			.53	.30	.05											.09		.11			.92	.50	.20							2.95
Louisa [2] B.	.18	.25		.20	.54	.07											.09	.10					.65									2 08
Lynch [near] C.	.20			.60					.10											.05			.35	.90	.15							2.35
Maysville, Dam 33 [2] O.	.03	.01		.06	.36	.14				T.							.60	.02		.08			T.	.45								1.75
Middlesboro C.				2.40	.13		.04		.20	.03							.05	.22		.12			.06	1.11	.03							4.89
Mount Sterling L.	.33			.43	.16													.46					.67									2.05
Oneida [2] † K.																																
Oneonta Dam 35 [2] O.	.11	T.		.05	.69	.02				T.							.46	T.	T.	T.	.10		.03									1.46
Paintsville [2] B.	.09	.28		.15	.66	.08				.03	T.						.31	.86	.13		.10	F.	T.	.91	.02								3.15
Pikeville B.	.31			.75	.14	T.											.01	T.		.01			1.29	.19	.01							2.71
Pippapass K.	.23			.91	.09		.02																1.43	.55								3.23
Quicksand [2] K.				.35	.49	.22			.28								.02	.30	.15	.10				1.15								3.06
Ravenna, Lock No. 12 [2] K.	T.			.34	.63	.23				.18							.50	.48	.38		.09		.12	.77								3 72
Richmond [2] K.	.03			.60	.45	.06			.05	.20							.50				.08		.02	.70								2.71
Valley View, Lock No. 6 [2] K.	.01	.02		.49	.67	.04			.05	.28							.66				.09		T.	.81								3.14
Vanceburg, Dam No. 32 [2] O.				.11	.22	.05				.38							.40	.39			.09			.31								2.09
Williamsburg [2] C.				2.10	1.11	.09				1.18								1.44	.24				2.21	.04								8.41
Willow, Lock No. 13 [2] K.				.49	.76	.11				.21							.39	.94					1.03									3.93
Winchester K.	T.		.14	.52	.05				.17								.15	.05		.08			.82									1.98

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station: precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. [4]Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salf: (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. //Rain gages have windshields.

Daily Temperatures for April, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	64	63	74	78	58	65	69	72	73	74	79	85	87	83	78	81	81	85	81	77	70	61	56	68	68	70	73	76	82	83	..	78.6
	Minimum	48	38	48	54	44	41	42	47	53	42	40	45	54	59	58	57	58	61	59	57	39	39	42	43	40	34	36	40	44	45	..	47.0
Calhoun	Maximum	65	63	72	71	59	..	69	73	73	76	81	88	87	85	79	82	80	86	82	78	72	65	59	72	70	71	77	80	85	84	..	*75.3
	Minimum	48	39	50	53	44	..	37	36	53	42	42	47	51	56	58	56	58	64	61	58	40	40	42	42	44	39	39	42	45	46	..	*47.3
Earlington	Maximum	68	61	72	71	55	71	72	74	73	75	88	93	90	87	78	82	89	91	83	77	71	63	59	70	70	70	75	80	86	87	..	76.1
	Minimum	50	36	52	55	47	35	43	48	55	40	44	47	62	63	59	58	62	67	62	57	41	42	45	42	44	37	35	41	44	47	..	48.5
Greenville	Maximum	65	64	77	71	55	67	68	70	72	75	80	85	86	83	78	80	82	86	82	79	68	60	56	68	67	68	74	77	82	84	..	73.6
	Minimum	48	35	45	52	44	37	41	49	52	40	43	47	57	58	61	50	60	61	61	55	40	38	43	44	43	37	35	41	44	44	..	46.2
Henderson	Maximum	63	62	68	71	61	66	69	73	70	73	83	87	85	81	75	81	81	85	85	77	70	60	61	69	68	71	76	80	84	85	..	73.9
	Minimum	41	38	49	53	44	36	41	46	53	46	44	52	60	59	60	57	60	63	67	58	43	35	40	43	34	37	39	42	45	51	..	47.7
Hopkinsville	Maximum	68	67	72	71	58	67	70	72	72	75	81	86	87	83	80	80	84	87	83	70	71	62	57	59	68	70	78	83	83	84	..	74.8
	Minimum	48	44	51	53	45	40	45	50	51	41	48	50	54	53	55	60	60	61	59	56	48	41	46	46	46	40	44	48	46	56	..	49.3
Lovelaceville	Maximum	70	58	68	70	62	70	70	74	71	74	85	89	87	85	80	80	84	85	82	74	71	66	61	70	72	71	75	77	84	82	..	74.9
	Minimum	46	44	52	50	41	35	49	49	49	40	50	52	53	60	59	59	60	65	65	51	41	43	47	47	47	40	41	42	50	48	..	49.2
Mayfield	Maximum	66	60	70	72	62	70	69	71	71	74	85	87	85	83	79	80	83	85	79	76	69	63	60	70	69	72	78	..	82	80	..	*74.8
	Minimum	46	43	54	51	45	40	49	61	56	46	52	59	60	61	60	62	61	66	66	51	46	43	49	48	44	45	48	..	50	54	..	*51.9
Murray	Maximum	64	56	66	57	60	73	70	..	..	..	..	..	88	77	81	84	85	79	67	89	70	60	55	60	70	70	71	72	72	80	..	*71.0
	Minimum	42	38	50	43	41	52	41	..	..	..	..	..	55	61	63	63	62	64	53	45	41	50	42	42	41	43	46	47	47	54	..	*49.0
Owensboro	Maximum	60	62	70	69	55	60	70	72	69	70	79	85	86	82	74	84	80	84	80	85	66	56	60	68	66	68	76	78	81	82	..	71.9
	Minimum	46	39	48	53	45	45	41	48	52	46	41	47	58	55	55	54	56	61	61	57	41	40	43	43	43	40	46	46	48	48	..	47.9
Paducah (near)	Maximum	68	63	60	68	60	68	68	74	70	74	82	87	82	82	79	81	79	86	78	76	71	64	59	67	71	68	72	77	81	80	..	*73.4
	Minimum	47	43	53	52	46	39	49	50	52	44	51	54	57	62	60	59	59	62	65	64	56	44	47	49	50	51	47	47	47	52	51	51.8
Princeton	Maximum	65	64	74	72	56	67	70	73	71	74	88	88	85	82	79	81	82	84	80	77	70	63	58	68	69	69	78	77	82	81	..	73.9
	Minimum	49	40	54	54	45	38	45	54	53	42	49	58	59	60	59	59	62	65	64	56	44	41	43	47	45	38	43	44	50	50	..	50.3
Russellville§§	Maximum	66	65	78	71	49	63	68	72	73	74	78	85	87	82	80	82	86	84	81	69	71	59	55	68	68	67	70	74	84	84	..	73.1
	Minimum	47	84	37	51	46	39	41	42	52	45	44	47	54	56	57	59	59	61	59	59	41	40	44	47	44	35	37	41	46	46	..	47.0
Central Division.																																	
Anchorage	Maximum	55	61	65	64	54	56	64	72	62	68	74	80	85	80	75	78	81	81	84	75	73	68	59	62	64	66	71	74	81	81	..	70.4
	Minimum	45	37	45	51	44	42	40	47	52	42	40	44	50	53	55	53	57	54	58	57	40	38	40	41	38	32	38	42	45	48	..	45.6
Bowling Green	Maximum	58	66	72	72	54	64	70	74	72	77	82	87	87	85	82	83	85	89	82	75	74	65	60	71	70	75	76	79	83	82	..	75.3
	Minimum	48	40	47	54	51	47	44	49	54	46	51	57	56	59	61	61	61	63	68	64	45	42	52	50	46	42	43	46	48	53	..	51.2
Clermont	Maximum	65	60	66	72	70	51	57	70	76	64	72	78	84	82	83	77	81	83	82	86	70	68	61	59	67	67	69	75	72	85	..	71.7
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Danville	Maximum	62	61	72	68	54	54	67	70	62	72	75	80	85	88	79	81	82	80	86	76	70	60	54	62	64	65	70	72	80	82	..	70.7
	Minimum	46	38	41	50	45	41	41	44	51	41	42	45	48	61	59	54	58	56	57	61	42	37	47	47	39	36	34	43	45	46	..	46.6
Dix Dam	Maximum	62	63	70	68	60	64	67	73	70	72	78	82	86	83	81	81	83	82	87	80	69	61	58	57	63	66	70	71	74	82	..	72.8
	Minimum	38	40	45	52	47	44	43	47	46	42	44	46	49	53	56	56	61	61	69	69	48	41	49	49	42	36	38	43	45	47	..	48.0
Eubank	Maximum	68	69	65	63	59	56	73	69	72	72	77	82	83	82	79	83	83	80	87	93	70	63	71	69	67	64	72	77	83	85	..	78.7
	Minimum	32	45	43	50	43	41	42	39	50	49	46	48	47	47	55	66	57	56	57	58	42	39	40	49	41	37	41	43	44	45	..	46.1
Frankfort	Maximum	59	60	67	68	54	58	65	75	65	74	78	86	86	82	79	80	83	81	86	77	77	68	56	68	68	70	73	76	83	86	..	72.6
	Minimum	47	35	42	50	47	42	40	44	51	41	40	42	45	50	56	54	59	57	55	62	38	36	41	44	39	33	35	40	43	43	..	44.9
Glasgow	Maximum	63	67	73	72	68	61	70	70	69	72	77	83	84	84	81	80	83	80	84	79	69	68	59	67	67	67	73	74	81	82	..	73.6
	Minimum	48	37	47	54	46	44	42	60	52	41	40	44	56	54	47	60	60	63	60	66	43	42	49	50	43	37	36	41	45	49	..	48.2
Greensburg	Maximum	64	66	72	68	64	59	71	69	65	74	76	83	85	81	78	79	84	72	82	79	67	67	57	67	69	65	73	76	79	79	..	72.3
	Minimum	46	35	44	50	43	41	39	44	50	37	38	42	45	53	53	59	56	56	55	58	40	36	47	47	33	35	33	39	41	44	..	44.8
Irvington	Maximum	60	64	70	70	57	62	67	70	68	78	76	85	87	82	79	79	82	85	82	79	70	67	60	53	66	68	68	74	76	86	84	72.3
	Minimum	45	38	45	52	42	41	39	45	52	46	42	48	54	56	56	56	56	61	62	57	40	35	42	42	38	36	38	43	47	46	..	46.7
Leitchfield	Maximum	64	62	76	71	53	61	69	75	68	71	77	84	87	83	78	81	82	82	84	69	69	60	55	66	67	68	71	74	82	83	..	73.2
	Minimum	47	40	45	52	44	42	41	45	52	46	44	48	54	56	58	60	59	60	59	59	45	40	40	45	41	38	40	46	47	52	..	47.8
Lexington	Maximum	60	63	67	65	54	55	67	75	64	73	76	83	84	83	79	79	83	80	86	74	69	57	54	61	66	67	70	73	82	85	..	71.1
	Minimum	46	35	40	50	41	41	39	47	49	44	45	49	56	57	58	57	60	59	60	47	43	37	49	45	39	35	41	44	48	50	..	47.0
Louisville	Maximum	56	62	68	65	52	57	66	72	68	76	79	86	87	82	74	78	80	81	83	74	67	60	54	65	65	68	72	75	81	83	..	70.6
	Minimum	46	41	49	50	44	44	44	50	55	48	49	52	59	65	64	59	62	65	64	55	47	44	47	45	42	44	47	49	53	55	..	51.3
Do. Bowman Field	Maximum	55	63	66	63	51	57	66	72	63	68	76	81	86	81	76	78	81	82	84	73	66	59	54	65	65	67	71	75	82	83	..	70.8
	Minimum	44	40	46	50	44	41	42	48	53	44	44	48	56	60	60	58	60	62	62	48	43	39	43	44	40	36	42	46	46	51	..	48.1
Mammoth Cave	Maximum	64	64	78	72	49	62	71	72	69	73	79	83	85	82	77	69	83	83	85	71	70	59	55	68	67	67	72	75	81	83	..	72 8
	Minimum	46	34	43	51	46	42	40	43	51	40	38	44	50	52	56	61	58	63	60	62	39	39	45	47	39	35	34	39	43	45	..	46.5
St. John	Maximum	63	63	71	70	60	58	67	71	64	74	76	81	84	79	77	79	80	79	81	75	68	64	56	64	64	66	71	78	79	82	..	71.8
	Minimum	45	39	43	51	45	42	40	46	52	41	48	46	50	56	58	57	59	58	57	61	41	39	42	44	38	35	42	44	46	48	..	47.8
Shelbyville	Maximum	56	62	66	68	58	66	66	71	62	70	76	82	84	81	76	79	81	80	84	75	63	62	55	63	66	66	72	74	82	83	..	70.6
	Minimum	44	36	41	48	43	39	36	43	41	40	42	47	50	52	53	52	56	56	56	50	38	31	40	42	34	33	37	38	42	45	..	43.5
Smith's Grove	Maximum	65	63	73	70	53	61	69	69	71	74	75	84	86	80	79	79	83	81	82	78	71	63	56	66	68	69	73	75	83	83	..	72 5
	Minimum	43	43	46	52	46	46	42	50	47	44	42	55	56	56	58	62	64	66	70	51	50	50	51	50	42	45	44	46	47	50	..	50.8
Stearns	Maximum	62	69	73	61	51	55	72	67	69	72	77	82	84	84	78	80	80	80	85	74	72	70	54	62	67	67	70	74	82	82	..	71.5
	Minimum	44	40	43	46	43	42	39	51	50	45	42	46	58	54	55	58	58	56	58	61	47	43	49	49	47	40	41	44	50	50	..	48.1
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	61	60	67	68	54	66	65	76	72	73	76	88	87	85	79	83	81	81	84	83	70	66	61	59	62	65	71	72	82	83	..	72.2
	Minimum	45	34	38	49	47	41	40	43	49	45	47	50	58	59	60	59	58	59	59	48	34	43	44	44	37	38	44	48	49	52	..	47.7
Eastern Division.																																	
Annville	Maximum	64	64	73	67	63	64	69	72	65	72	78	81	83	84	81	81	84	80	85	75	66	70	62	65	68	69	70	73	82	85	..	73.2
	Minimum	34	41	37	46	40	41	40	41	48	46	36	39	41	43	47	49	55	51	50	60	38	36	48	42	43	30	31	36	38	39	..	42.2
Ashland	Maximum	50	57	69	67	60	52	66	75	71	70	76	81	87	86	83	82	82	84	89	82	71	66	58	59	64	68	71	75	83	86	..	72.3
	Minimum	44	37	37	48	44	50	46	37	40	48	45	43	45	60	51	54	57	58	55	61	40	37	49	46	41	40	37	42	40	44	..	45.0
Berea	Maximum	62	63	78	68	56	52	68	70	66	65	70	82	85	83	79	81	82	83	88	87	69	63	62	64	66	64	69	79	81	82	..	72.0
	Minimum	47	39	42	60	45	41	44	49	62	50	45	42	55	61	61	60	46	60	63	59	41	39	41	42	41	34	37	41	41	49	..	47.2
Farmers	Maximum	58	63	70	55	55	54	67	75	60	70	76	82	84	83	79	79	83	78	89	71	66	59	59	60	65	66	70	75	81	82	..	70.5
	Minimum	46	36	36	50	43	43	43	40	44	38	38	43	41	46	52	50	57	57	54	60	37	33	47	47	37	30	38	37	39	41	..	43.3
Heidelberg	Maximum	64	65	74	67	53	54	70	74	68	73	78	85	88	85	84	83	84	81	90	86	71	66	61	64	69	69	73	75	83	85	..	74.0
	Minimum	45	44	32	51	43	45	41	42	49	43	38	42	42	46	49	52	58	55	58	65	42	39	51	52	43	33	34	40	41	42	..	45.2
Lynch [near]	Maximum	48	52	56	52	50	56	59	61	60	60	63	71	75	74	72	71	72	71	73	70	63	64	57	53	50	55	57	61	68	70	..	62.3
	Minimum	36	33	38	39	38	42	33	32	41	41	42	47	51	55	51	53	52	58	59	55	37	31	43	40	40	34	34	43	45	48	..	42 9
Maysville	Maximum	61	62	66	71	60	59	68	76	69	71	76	82	86	84	81	81	81	83	88	85	70	69	65	59	62	66	68	70	76	82	83	72.6
	Minimum	47	35	30	50	45	44	45	39	40	40	41	43	45	58	56	55	59	59	57	61	41	32	43	47	36	33	36	40	40	44	..	44.7
Middlesboro	Maximum	62	70	72	89	71	80	78	87	85	80	79	93	82	90	90	90	91	90	85	78	80	80	84	74	72	74	75	80	82	..	..	81.1
	Minimum	46	45	36	49	46	45	37	48	51	40	39	41	45	46	46	53	53	56	54	66	46	45	53	52	51	37	35	38	41	42	..	46.0
Mount Sterling	Maximum	64	63	78	68	57	55	70	75	70	73	77	81	84	83	80	80	82	88	86	75	67	63	55	63	65	66	70	75	82	85	..	72.5
	Minimum	46	38	41	47	42	42	42	41	53	42	46	49	55	58	56	59	60	64	66	61	47	46	48	47	38	38	40	43	48	48	..	46.9
Pikeville	Maximum	61	65	78	64	62	54	75	78	77	79	81	86	88	86	86	88	86	86	93	84	79	72	60	59	60	76	78	78	87	88	..	76.8
	Minimum	44	36	31	49	43	46	44	40	42	45	42	43	45	49	49	54	58	54	54	54	49	44	42	53	47	47	41	47	40	43	44	45.5
Pippapass	Maximum	70	68	74	69	52	72	72	77	76	75	84	86	87	87	83	84	86	88	92	85	79	72	61	58	70	82	72	76	85	86	..	77.0
	Minimum	50	38	30	50	44	43	50	39	42	38	40	42	45	50	50	54	60	58	58	50	42	50	51	51	50	40	35	39	42	40	..	44.7
Quicksand	Maximum	68	66	76	67	65	58	72	80	73	74	80	85	87	86	88	81	85	90	90	88	72	67	57	63	70	71	74	77	86	87	..	75.0
	Minimum	45	40	41	48	42	42	40	41	46	44	39	40	40	45	49	51	56	52	51	57	40	40	50	51	42	36	35	39	40	42	..	44.2
Richmond	Maximum	60	65	70	68	52	62	70	72	62	70	76	82	83	83	80	80	78	82	84	74	68	60	55	63	68	70	72	76	83	85	..	71.8
	Minimum	48	40	40	52	48	42	43	50	54	46	48	52	58	60	60	60	60	60	62	66	45	40	48	48	42	38	44	46	52	53	..	50.2
Williamsburg	Maximum	68	70	70	70	55	68	72	73	75	78	84	86	87	82	82	82	85	87	88	78	71	70	71	72	64	70	71	76	82	83	..	74.8
	Minimum	45	42	39	52	44	44	38	51	52	48	41	44	49	48	54	56	60	58	62	64	48	44	51	53	49	37	33	41	44	45	..	47.6
Winchester	Maximum	63	62	69	66	54	53	67	73	61	70	75	80	82	81	78	78	81	78	86	74	67	58	58	60	63	65	69	72	80	83	..	70.1
	Minimum	46	37	40	50	45	41	41	48	52	45	46	49	51	56	54	57	58	61	59	59	44	36	48	47	38	38	43	45	49	50	..	47.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡ etc. indicate respectively 1, 2, 3 etc., days missing from record.

W. B. O. Louisville, 6-10-41 1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., MAY, 1941 No. 5

GENERAL SUMMARY.

The rainfall was very deficient and occurred in the form of light to moderate showers that fell mostly in the period 7-17th. There was but little rain in the last decade. Rather low temperatures prevailed through the shower interval, but much warmer than average weather characterized the dry periods. Sufficient moisture remained in the soil to bring up corn during the first two decades. After that germination became uncertain and the stands imperfect. Irregularity of growth also resulted from the variation in the moisture content of the soil, even in the same field. Prevailing high temperature in the last half of the month caused corn to grow rapidly where the soil contained enough water to support it. Thorough cultivation kept the crop clean and the surface in good condition to resist dry weather. Wheat on uplands and hills showed considerable variation in size of heads and length of straw. On the moisture retaining types of soil it was even and well headed. Barley headed more evenly than wheat. Barley harvest began in the western counties in the last week. Wheat was turning in southwestern districts at the end of the month.

Tobacco plantbeds had to be watered frequently to keep the plants growing. The high temperature and dry air soon exhausted the water applied, therefore growth was slower than normal. Transplanting began near the end of the third week. On account of the heat and dry soil, stands obtained were only fair and the plants were slow to start. Pastures on uplands deteriorated extensively in the last week, and seed bluegrass was seriously injured. The abnormal heat and dryness shortened the strawberry season. Oats headed short and irregularly. Potatoes and vegetables were held back, with a tendency to dwarfed maturity. First crop alfalfa was cut and cured under ideal conditions. Young clover, alfalfa, and lespedeza suffered severely and some died toward the end of the month. Transplanting of field tomatoes proceeded under difficulties, with stands less perfect than desirable. Water for livestock and domestic use diminished slowly, and hauling of water to meet farm needs in the upland sections became more general. Light to heavy frost occurred locally in central and eastern counties on the 12th and 13th causing variable damage to beans, potatoes, tomatoes, strawberries and other tender vegetation.

TEMPERATURE.

The temperature averaged considerably above normal. Maxima were relatively much higher than the minima. Night temperatures were frequently quite low in the first two decades. A few eastern stations reported freezing temperatures on the 12th or 13th. In the first week, the last five days, and in two other brief periods, mean temperatures ranged from 5° to 15° above normal. The interval from the 9th to 13th was decidedly cool, with daily deficiencies of 5° to 10°. In the last decade maxima registered 90° or higher on most days. The range for the State was between 101° at Earlington on the 21st and 30° at Farmers on the 13th.

PRECIPITATION.

Precipitation averaged less than one-third of the normal amount. At the end of this month the total deficiency for the State since January 1st was 11.5 inches. In the southeastern counties amounts ranged between 0.4 and 0.6 inch. In the northern, most central, and the western districts it varied between 1.0 and 2.0 inches. Most of the agricultural section of the State received about 1.5 inches. The range for the State was between 0.28 inch at Annville and 2.74 inches at Paducah. Light to heavy showers occurred generally in the period 6-9th and 15-18th. A few widely scattered showers fell on the 23d, 27th, and 30th-31st. The rainfall was unevenly distributed, leaving many localities almost rainless. Days with thunderstorms were: 1, 4, 6, 7, 8, 11, 14, 16, 17, 20, 22.

MISCELLANEOUS.

May 16.—Many shade trees were blown down, a few roofs were damaged, and electric service was disrupted by a windstorm in Jefferson County, with an estimated loss of $5,000. Lightning struck a building on the river front at Louisville, causing the upper story of tiles to disintegrate and fall on nine parked automobiles, which were wrecked.

A farmer and his team of mules were killed by lightning near LaGrange. The State forestry director reported that nine forest fires were burning in five southeastern counties.

Rivers:—All streams remained low, with exceptionally slight flow for this time of year.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.02	30.32	24	29.65	6	7.6	30	n.	16	76	44	..	81
Cincinnati .....Ohio	30.03	30.39	25	29.66	7	6.7	27	nw.	16	70	36	44	78
Evansville..... Ind.	30.02	30.35	24	29.65	7	7.7	42	nw.	16	76	43	48	81
Louisville .....Ky.	30.03	30.32	24	29.67	7	8.6	38	nw.	16	74	42	44	84

COMPARATIVE DATA FOR MAY.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	63.6	94	28	4.03	....	..	..	..	..
1890	63.9	93	32	4.22	....	..	..	..	..
1891	62.6	90	29	1.78	....	..	..	..	..
1892	64.6	90	36	5.49	....	..	..	..	..
1893	63.2	96	37	5.59	....	..	..	..	..
1894	64.5	99	32	3.54	....	..	..	..	..
1895	63.9	99	29	3.16	....	8	13	10	8
1896	72.2	106	42	5.34	....	11	14	11	6
1897	61.4	92	32	3.27	T.	10	15	9	7
1898	67.6	93	31	4.52	0.2	10	14	11	6
1899	68.8	94	42	4.79	0	11	11	12	8
1900	66.3	96	29	3.49	0	10	15	8	8
1901	63.7	97	34	2.65	0	10	12	9	10
1902	70.0	98	35	3.55	0	9	17	9	5
1903	68.0	98	29	3.09	0	8	15	10	6
1904	65.0	98	33	3.05	0	10	14	9	8
1905	68.0	95	38	5.23	0	11	12	9	10
1906	69.5	95	31	2.54	T.	9	16	7	8
1907	61.3	93	30	5.07	0	12	12	7	12
1908	66.7	96	28	4.34	0	12	13	5	10
1909	63.9	93	27	4.64	T.	12	13	7	11
1910	61.1	89	30	4.81	0	12	13	6	12
1911	69.4	105	29	2.46	0	5	22	5	4
1912	66.7	97	37	4.53	0	10	16	6	9
1913	66.1	99	29	2.92	0	8	16	7	8
1914	66.5	103	32	2.16	0	5	20	6	5
1915	65.2	95	35	6.62	0	15	9	8	14
1916	67.2	98	33	4.02	0	9	14	9	8
1917	68.9	92	30	3.43	0	10	12	8	11
1918	69.4	97	28	4.29	0	8	16	8	7
1919	63.9	95	35	6.05	0	14	9	8	14
1920	64.2	94	32	4.08	0	11	13	7	11
1921	65.9	97	32	2.45	0	8	16	8	7
1922	67.9	94	35	3.57	0	10	14	10	7
1923	63.9	91	27	3.98	T.	13	11	8	12
1924	59.9	92	34	5.04	0	14	10	9	12
1925	61.2	98	28	2.61	T.	8	16	8	7
1926	66.2	101	31	2.86	0	7	17	8	6
1927	65.7	93	31	7.44	0	16	10	10	11
1928	63.2	94	29	3.55	0	9	16	7	8
1929	64.1	98	32	7.35	T.	14	12	8	11
1930	66.5	94	33	2.96	0	9	15	8	8
1931	62.7	97	30	2.59	0	11	13	8	10
1932	65.1	92	33	1.39	0	6	18	8	5
1933	68.7	95	40	6.43	0	15	11	9	11
1934	67.7	99	36	1.67	0	5	20	6	5
1935	63.5	91	36	7.40	0	14	11	9	11
1936	68.3	96	35	1.50	0	5	22	6	3
1937	68.2	99	36	4.01	0	10	16	7	8
1938	65.7	93	32	5.73	0	14	11	10	10
1939	66.3	94	30	1.37	0	7	15	10	6
1940	51.8	94	26	3.50	T.	11	13	8	10
1941	67.7	101	30	1.20	0	5	16	10	5
Period †	65 4	106	26	3.91	T.	10	16	10	5

†53 year averages.

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Climatological Data for May, 1941.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind	
Western Division.																				
Beaver Dam	Ohio	441	29	68.0	+ 1.7	95	21	34	12†	38	1.92	−3.01	0.46	0	5	9	15	7	sw.	Eldred G. Young.
Calhoun	McLean	437	37	°69.8	+ 3.2	98°	21	36°	12	42°	1.53	−2.45	1.24	0	4	20	6	5	.....	R. C. Bennett.
Earlington	Hopkins	420	47	70.8	+ 3.8	101	21	36	12	47	1.28	−2.83	0.85	0	4	23	3	5	n.	Brick Southworth..
Fords Ferry, Dam 50	Critteuden	356	12	.....	.....	.....	.....	.....	.....	.....	1.95	−1.67	1.03	0	5	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	1.39	.....	0.57	0	6	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	67.2	+ 2.0	96	21	35	11†	42	1.50	−2.75	0.60	0	4	21	9	1	s.	C. R. Lovell.
Hartford (near)	Ohio	610	2	.....	.....	.....	.....	.....	.....	.....	2.08	.....	0.99	0	6	18	8	3	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	69.0	.....	96	29	37	12	42	1.65	−2.40	1.10	0	7	14	15	2	s.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	68.9	+ 1.7	96	21†	37	11†	44	1.09	−3.03	0.51	0	4	22	9	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	°70.0	+ 3.0	95	21†	40ª	9†	41ª	2.40	−1.10	0.71	0	6	17	12	2	s.	Blaine Malone.
Mayfield	Graves	364	32	70.8	+ 4.3	95	21	43	9	38	1.83	−2.17	1.00	0	5	18	13	0	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	70.2	+ 3.1	93	21	45	9†	33	1.28	−3.22	0.38	0	6	15	5	11	s.	Ralph B. Wear.
Owensboro	Daviess	420	44	67.7	+ 2.3	93	21†	37	13	40	1.50	−2.43	0.95	0	4	21	6	4	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	1.83	−1.99	1.01	0	9	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	70.7	+ 1.0	92	21†	46	9†	31	2.74	−1.20	1.10	0	7	18	10	3	.....	Joe Lagore.*
Princeton	Caldwell	529	44	70.0	+ 3.2	96	21	39	11†	40	1.42	−2.70	0.79	0	4	19	8	4	n.	S. J. Lowry.
Rumsey, Lock 2	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	1.42	−2.82	1.09	0	5	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	°68.6	+ 2.9	99	22	35ª	13	41ª	0.66	−3.31	0.36	0	4	22	4	5	n.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	1.52	−1.66	0.86	0	6	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	13	.....	.....	.....	.....	.....	.....	.....	1.52	−2.50	0.65	0	9	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	65.4	+ 2.0	92	22	32	12	40	1.40	−2.83	0.75	0	5	15	13	3	se.	C. E. Barret.
Bowling Green	Warren	500	45	71.3	+ 3.8	96	21†	43	12	40	0.98	−3.21	0.63	0	5	23	2	6	s.	Mrs. Lillie G Causey.
Brownsville, Lock 6	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	1.26	−2.68	0.61	0	6	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	0.84	−3.66	0.27	0	7	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	1.48	−2.35	0.86	0	3	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	.....	.....	96°	23	.....	.....	.....	1.74	.....	0.85	0	6	19	11	1	sw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	1.24	−2.51	0.55	0	7	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	66.6	.....	95	22	36	13	42	0.67	−3.34	0.23	0	5	16	11	4	sw.	R. F. Coldiron.
Dix Dam, Burgin	Mercer	770	17	68.6	+ 3.7	97	22	37	11†	43	0.93	−2.54	0.24	0	9	13	15	3	sw.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	0.56	.....	0.23	0	4	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	67.0	+ 3.0	97	22	34	11†	46	0.23	−4.22	0.15	0	2	14	13	4	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	66.6	+ 1.4	96	21	34	12†	48	1.90	−1.38	0.75	0	8	16	12	4	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	1.87	−1.43	0.66	0	5	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	68.6	+ 2.8	97	22	35	12	44	1.34	−2.49	0.63	0	7	12	19	0	w.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	0.95	−2.14	0.55	0	4	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	881	48	65.8	+ 1.3	97	21	32	12	47	1.01	−3.37	0.38	0	7	10	0	21	.....	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	0.66	−3.00	0.23	0	6	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	67.5	+ 1.5	94	21†	35	12†	45	1.80	−1.93	1.00	0	8	10	17	4	sw.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	1.74	.....	0.93	0	8	20	9	2	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	1.07	−3.28	0.56	0	4	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	68.4	+ 3.1	95	22	38	12	37	0.61	−3.56	0.40	0	6	15	10	6	sw.	D. Lem Hughes.
Lexington	Fayette	989	57	67.1	+ 2.8	96	22	37	12	39	1.72	−2.09	1.30	0	6	21	8	2	.....	U. S. Weather Bureau
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	0.63	−3.13	0.35	0	5	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	1.92	−1.54	0.96	0	4	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	68.6	+ 2.0	94	22	43	10	34	1.25	−2.47	0.80	0	6	16	13	2	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	67.2	.....	94	22	37	12	36	1.40	.....	0.81	0	6	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	66.2	.....	94	22	33	12†	44	1.56	.....	0.48	0	9	10	15	6	sw.	Ivan J. Ellsworth.
Montiesello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	0.40	.....	0.12	0	4	19	8	4	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	1.10	−2.64	0.27	0	6	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	45	66.4	+ 2.3	95	22	38	12	38	1.31	−2.76	0.39	0	10	17	6	8	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	0.77	−2.74	0.37	0	5	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	65.4	+ 1.0	95	22	32	12	42	1.58	−2.22	0.92	0	6	14	0	17	s.	Willa S Ratta.
Smith's Grove	Warren	667	3	68.4	.....	99	22	30	10	41	0.54	.....	0.34	0	5	11	17	3	.....	C. W. Guernsey.
Stearns	McCreary	1400	5	67.2	.....	96	22	36	11	44	0.64	.....	0.21	0	5	15	7	9	sw.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	1.48	−2.02	0.59	0	6	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	67.9	+ 4.2	94	22†	39	10†	38	2.24	−1.40	1.58	0	4	28	0	8	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	0.79	−2.84	0.34	0	4	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	64.2	.....	96	22	28	13	49	0.18	.....	0.17	0	2	13	10	8	nw.	W. A. Worthington.
Ashland	Boyd	534	24	66.8	+ 2.5	96	22	36	13	43	1.28	−2.78	0.62	0	7	19	8	4	w.	Lockmaster.
Berea	Madison	1070	38	66.6	+ 1.7	95	22	34	11	40	0.88	−3.16	0.32	0	5	14	13	4	sw.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	0.68	−3.36	0.24	0	5	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	694	28	.....	.....	.....	.....	.....	.....	.....	0.71	−2.70	0.27	0	3	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	2.19	−1.34	1.27	0	4	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	64.6	+ 1.2	95	22	30	13	46	1.67	−2.25	0.49	0	7	12	12	7	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	1.48	−2.22	0.52	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	598	25	.....	.....	.....	.....	.....	.....	.....	0.88	−2.64	0.52	0	4	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	0.80	−2.75	0.50	0	4	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	2.26	−1.05	0.78	0	8	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	0.50	−4.61	0.15	0	5	.....	.....	.....	.....	H. A. Bally.
Heidelberg, Lock 14	Lee	663	6	66.1	.....	99	22	32	13	50	0.58	−3.30	0.36	0	3	14	3	14	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	0.53	.....	0.38	0	2	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	0.63	−4.14	0.22	0	4	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	1.28	−2.58	0.36	0	6	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	°61.2	.....	83ª	21	33ª	10	33ª	0.29	.....	0.13	0	3	17	8	6	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	66.0	+ 1.5	95	22	34	13	47	1.84	−1.87	1.13	0	8	11	18	2	sw.	Lockmaster.
Middlesboro	Bell	1128	42	68.7	+ 4.0	98	22	34	13	48	0.41	−3.61	.21	0	3	20	11	0	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	68.0	+ 4.3	97	22	35	13	41	1.29	−2.97	0.78	0	3	20	10	1	sw.	W. R. McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	1.62	−1.83	0.64	0	6	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	0.70	.....	0.24	0	7	.....	.....	.....	.....	E. C. Fraley.
Pikeville	Pike	636	5	67.5	.....	100	22	37	13	46	0.44	−3.10	0.17	0	4	9	20	2	e.	U. S Weather Bureau.
Pippapass	Knott	1035	7	64.9	.....	97	22	34	13	47	1.31	.....	0.39	0	7	14	7	10	w.	Cane Run Com. Cen.
Quicksand	Breathitt	732	15	.....	.....	98	22	34°	13†	46°	.....	.....	.....	.....	.....	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	0.56	−3.36	0.18	0	6	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	68.0	+ 2.5	95	22	40	11†	33	0.49	−3.35	0.26	0	7	21	6	4	.....	I. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	0.65	−3.36	0.21	0	5	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	1.58	−2.25	1.06	0	8	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	44	66.4	+ 0.5	95	22	34	13	43	1.26	−2.89	1.12	0	3	23	7	1	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	0.58	−3.22	0.26	0	5	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	67.4	.....	96	22	38	13	41	0.43	.....	0.26	0	5	6	23	2	.....	Airway Station.
State averages and extremes		.....	.....	67.7	+ 2.3	101	21	30	13	50	1.20	−2.71	1.58	0	5	16	10	5	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Trunsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, ª, ᵇ, ᶜ, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. †† Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for May, 1941.

Stations	Day of month																												Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G							.28				.06			.08			.46					.34								T		1.22
Calhoun G						T.	.07							.13			1.24													.02		1.46
Carlington [3] G							.10		T.						.03		.85						T.							T	.30	1.28
Fords Ferry Dam 50 [3] O		T.				.05	.77					.02			.08		1.03	T.					T.							T		1.96
Gilbertsville [3] T					.02	.01	.54					.14					.67													.08		1.39
Greenville G							.80							.15			.60						.45									1.80
Hartford G	T.				T.	T.	.22	.02			.05			T.			.99						.60			T.				.20		2.08
Henderson O					T.	.29		.04			.03			.12			1.10													.03	.04	1.65
Hopkinsville [3] C						T.	.51								.09		.28						.21									1.09
Lovelaceville M		.35				.51					.26			.38		.71						.20										2.40
Mayfield M						1.00	.31	.01				.08		T.			.43				T.	T.										1.83
Murray [3] T							.32	.26	.02		.27			.03			.38															1.28
Owensboro [3] O						.02	.28	T.	T.	T.	T.	T.					.95													.25		1.50
Owensboro, Dam 46 [3] O	.01					T.	.26	.01	.01			T.			.17		1.01						.10							.21	.05	1.83
Paducah [3] O					T.	.15	.79	T.	T.			T.	T.		.04		1.10		T.			.8	.06				.22					2.74
Princeton G					T.	.15	.06						T.	T.	T.		.79					T.								.42		1.42
Rumsey, Lock No. 2 [3] G							.09		.02						.13		1.09													T.	.09	1.42
Russellville [3] G							.38								.01		.14					.03										0.56
Uniontown, Dam 49 [3] O		.02	.04			.05	.46								.09		.86															1.52
Central Division																																
Addison, Dam 45 [3] O							.20	.09	.11			.05			.14		.65	T.					.05							.11	.12	1.52
Auchonage O							.40	.12						.07			.75					T.	T.			T				.06		1.40
Bowling Green [3] G							.63		.10						T.		.15		.05											.05		0.98
Bowling Green No. 2 [3] G							.35		T								.13	T.												.02	T.	0.50
Brownsville, Lock No. 6 [2] G							.61	.02	.13			.20					.26	.04														1.26
Burnside [3] C		.02	T.				.07		.27			15			.03		.08	.22														0.84
Carrollton Lock No. 1 [3] K							.89	.23									.36															1.48
Clermont S				.01			.35								.09	.24	.85									.20							1.74
Cold Spring, Dam 36 [2] O		.07				T.	.16	.33	.20						.01		.55													T.	.02	1.84
Danville [3] K		T.					.22	T.	.15			T.			.01		.06	.23						T.			T.				T.	0.67
Dix Dam, Burgin K	.02					.18	.05	.08						.02		.19	.24						.13							.02		0.53
Eadsville [3] O							.05		.23								.17	.11														0.56
Eubank C																															.15	0.23
Frankfort, Lock No. 4 [2] K		T.	.02				.75	.06	.20						T.		.40						.04				.41				.02	1.90
Gest, Lock No. 3 [2] K			T.				.63	.30	.09								.66						.19				T.					1.87
Glasgow G							.20		.04			.13			.01		.09													.24	.68	1.34
Grant, Dam 33 [2] O							.11	.18	.11								.55														T	0.95
Greensburg [2] G						.16		.06	.10			.16			.02		.13	.38														1.01
High Bridge, Lock No. 7 [2] K		T.					.10	.08	.09			T.			T.		.13	.23					T.	.03							T.	0.66
Irvington O						T.	.24	.14	T.		.08			.11			1.00						.02				.02			.19		1.80
LaGrange O			.02				.37	.18	.06					.03	.04		.93													.11		1.71
Lancaster [2] K						.15		.14									.22									.56						1.07
Leitchfield [2] G							.05	.01		.10					.02		.40					.03										0.61
Lexington [2] K							.25	.13						.01	T.	.10	1.20					T.	T.			.03	T.			T.	T.	1.72
Little Hickman, Lock No. 8 [2]// K								.20									.35							.10								0.65
Lockport, Lock No. 2 [2] K		.09					.54	T.	.33								.96														T.	1.92
Louisville [2] O		T.			T.	.13	.03	.08			T			.10		.80	T.					T.	T.							.11		1.25
Do. Bowman Field O		T.			T.	.23	.08	.10						.11		.81	T.					.01								.06		1.40
Mammoth Cave [2] G							.48		.13			.16			.02		.23	.01					.22				.01				.30	1.56
Monticello [2] C								.04	.12			.12										.12										0.40
Munfordville [2] G							.27	T.	.13			.19			T.		.18	.11									.22					1.10
St. John [2] S							.31	.02	.09			.07			.04		.39	.0									.09			.01	.28	1.31
Salvisa, Lock No 6 [2] † K		T.					.12	.08	.05						T.		.37	.12														0.77
Shelbyville [2] S		T.					.38		.20						.05		.92						.02				.01				T.	1.58
Smith's Grove G								.06			.06			T.		T.	.34					T.				T.			.04	.04	0.54
Stearns C						T	.06	.20			.12			T.			T						.05			.21				T.	T.	0.64
Taylorsville S																																
Tyrone, Lock No. 5 [2] † K			.04				.28		.18						T.		.15	.59					T.				.24				T.	1.48
Williamstown [2] L							.41	.10	.20								1.53															2.24
Woodbury, Lock No. 4 [2] G							.34		.10						.03			.32														0.79
Eastern Division																																
Annville [2] C							.01	T.	.17								T.															0.18
Ashland [2] O							.02	.03	.25								.62						.14	.13			.09				T.	1.28
Berea K							.22	.09	.17								.32										.08			T.		0.88
College Hill, Lock No. 11 [2] K							.11	.07	.14								.12	.24														0.68
Cynthiana [2] L							.27	T.	.17						T.			.27					T.				T.					0.71
Falmouth [2] L		.25					.50	T.	.17						T.		1.27							T.							T.	2.19
Farmers [2] L							.18	.20	.10								.28	.41					.03				.49					1.67
Flemingsburg [2] L							.11	.15	.18								.52						.05			.25					.22	1.48
Ford, Lock No. 10 [2] † K							.12	.13	T.					.09		T.	.52									T.					T.	0.86
Grayson [2] O								.10	.10								.50						.10									0.80
Greenup, Dam 30 [2]// O							T.	.43	.24								.78	.04					.33	.18			.24				.02	2.26
Hazard [2]// K								.08	.12															.10			.24	.15			.05	0.50
Heidelberg, Lock No. 14 [2] K							T.		.36									.17									.05				T.	0.58
Jackson [2] K							T.		.38								.15															0.53
Jenkins [2] B								.17	.13															.22			.11					0.63
Louisa [2] B								.30	.19								.11	.23						.09			.36					1.28
Lynch [near] C									.13								.09									.07						0.29
Maysville, Dam 33 [2] O		.13					.20	.04	.28						T.		1.13	.01					.04				T.				.01	1.84
Middlesboro C							.21		.16																						.04	0.41
Mount Sterling L							.31										.78									.17						1.29
Oneida [2] † K																																
Oneonta Dam 35 [2] O		.07					.64	.13	.18						.03		.57							T.						T.	T.	1.62
Paintsville [2] B			.01				T.	.21	.05			T.					T.	.08						.11			.24					0.70
Pikeville B	T.	.05						.17									.05						.17									0.44
Pippapass K	.01	.12					.23	.25	.30														.39								.01	1.31
Quicksand [2] K																																
Ravenna, Lock No. 12 [2] K			T.				.05	.09	.18						T.		.06	.12									.06				T	0.56
Richmond [2] K							.08	.09	.10								.05	.20									.02				.02	0.49
Valley View, Lock No. 6 [2] K							.15	.04	.06						T.		.21	.19														0.65
Vancebrug, Dam No. 32 [2] O							.08	.11	.18								1.06	.02					.05	.04							.04	1.58
Williamsburg [2] L								.03	.05																		1.12					1.20
Willow, Lock No. 13 [2] C							.06	.26										.16									.05				.05	0.58
Winchester K		T				T.	.26	.18						.01	.01														T.	.02	0.48

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. //Rain gages have windshields.

Daily Temperatures for May, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	85	84	80	84	88	79	76	81	73	69	72	70	75	79	88	90	83	75	84	92	95	94	84	76	84	91	93	94	94	88	92	83.4
	Minimum	57	50	52	43	57	62	61	49	39	38	36	34	34	41	57	64	59	41	44	48	57	59	60	50	46	60	76	68	63	68	63	52.7
Calhoun	Maximum	86	86	85	86	81	80	77	80	..	71	74	73	78	78	88	91	85	77	86	94	98	95	84	80	84	80	..	92	98	95	94	87	92	986.1
	Minimum	59	59	56	46	57	63	62	..	..	39	39	36	37	42	57	64	60	44	48	52	60	62	62	52	..	46	66	64	65	67	65	654.4
Earlington	Maximum	85	87	84	87	83	80	73	85	75	77	78	74	81	83	90	92	88	77	89	98	101	99	88	78	88	94	94	96	96	89	94	86.4
	Minimum	58	54	54	46	62	65	63	51	44	39	38	36	38	43	66	67	64	43	45	52	60	63	66	54	41	58	72	71	65	68	67	55.3
Greenville	Maximum	84	85	82	84	82	78	75	82	77	68	73	68	75	80	88	90	83	78	78	92	96	94	82	80	81	90	92	94	93	90	89	85.3
	Minimum	56	51	54	44	50	49	61	48	37	37	35	35	35	36	48	58	61	43	45	50	57	57	62	51	45	56	67	62	64	68	63	51 1
Henderson	Maximum	87	84	82	85	81	74	77	80	72	68	74	73	78	76	87	89	83	77	85	95	95	91	85	77	86	90	91	93	96	88	91	83.5
	Minimum	59	56	54	47	58	63	61	53	38	40	39	37	40	46	60	66	61	40	44	53	62	63	62	49	46	55	69	66	63	68	67	54.5
Hopkinsville	Maximum	84	88	82	83	80	77	76	81	66	68	71	69	77	81	88	89	74	80	88	92	96	96	84	76	89	92	92	98	94	90	91	83.4
	Minimum	56	55	56	53	57	63	61	47	39	41	37	37	39	48	61	60	61	47	46	51	57	61	62	54	49	59	62	68	65	69	69	54.4
Lovelaceville	Maximum	84	87	84	86	81	75	78	82	78	71	77	72	80	80	88	90	84	77	88	95	98	95	87	80	85	90	92	94	91	93	..	84.3
	Minimum	57	56	56	55	62	64	61	51	40	43	41	41	43	49	64	63	63	48	50	58	64	66	61	55	41	55	61	64	63	69	..	55.7
Mayfield	Maximum	83	86	85	84	78	72	76	81	70	69	75	70	77	80	85	90	82	77	87	94	95	91	79	79	86	92	91	94	91	91	90	83.2
	Minimum	58	58	57	58	65	68	61	53	43	46	46	45	46	55	66	63	63	50	52	62	66	69	64	53	48	60	70	68	68	70	61	58.4
Murray	Maximum	83	84	83	80	75	72	74	79	68	67	73	69	70	78	84	87	79	75	85	91	93	87	83	80	84	89	89	90	92	87	87	81.2
	Minimum	59	59	57	59	65	62	62	55	45	46	46	46	47	53	67	65	57	50	55	62	65	66	62	58	51	58	68	68	68	70	68	59.3
Owensboro	Maximum	82	84	81	84	81	79	73	79	63	65	70	65	75	75	86	88	75	74	83	86	93	93	80	79	84	89	91	92	92	91	89	81.3
	Minimum	50	56	56	49	58	63	60	53	41	40	39	42	37	44	57	60	61	45	50	54	60	62	60	52	49	56	66	64	67	66	65	54.1
Paducah (near)	Maximum	80	83	83	77	73	72	77	80	76	67	68	69	76	77	86	89	85	72	84	89	92	92	83	77	85	89	88	91	89	89	87	81.5
	Minimum	60	61	60	57	63	64	62	57	46	49	48	46	50	53	68	65	64	52	53	60	66	68	65	57	54	60	69	69	69	73	68	59.9
Princeton	Maximum	86	84	82	82	78	76	77	82	78	67	74	71	78	79	87	89	85	77	88	94	96	94	84	77	87	91	91	93	92	90	88	83.7
	Minimum	60	59	59	55	61	58	63	52	41	42	39	39	42	49	64	64	63	48	46	56	63	64	63	54	47	58	69	69	66	67	68	56.4
Russellville§§	Maximum	83	83	80	82	83	78	78	81	68	67	73	69	76	82	87	90	74	77	87	93	97	99	87	73	88	93	91	96	95	88	92	83.5
	Minimum	..	49	53	56	58	66	61	48	39	40	37	36	35	43	51	58	60	44	48	59	56	61	65	52	51	58	65	64	65	70	65	453.8
Central Division.																																	
Anchorage	Maximum	80	79	74	81	81	79	78	74	64	66	64	69	70	85	85	79	68	78	86	89	92	80	72	79	87	89	90	91	81	88	78.6
	Minimum	57	55	48	41	55	63	58	48	41	40	36	32	38	40	52	66	60	42	45	59	58	59	60	48	46	57	61	62	61	67	68	52.8
Bowling Green	Maximum	82	88	82	84	82	78	76	82	75	73	72	70	78	78	88	92	86	78	90	94	96	94	88	82	92	93	95	95	96	92	94	85.2
	Minimum	61	57	56	52	59	67	64	51	46	44	44	43	46	46	60	60	63	49	51	55	62	64	67	57	52	59	67	67	68	72	69	57.4
Clermont	Maximum	82	85	82	79	85	64	81	72	72	68	..	72	69	69	74	74	89	72	71	84	90	94	96	83	78	86	89	91	92	92	88	*80.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Danville	Maximum	80	79	74	82	83	88	77	75	71	63	65	67	70	74	85	87	86	72	83	90	92	95	86	76	85	91	91	94	94	85	89	81.4
	Minimum	55	52	45	42	56	61	61	47	42	42	38	39	36	39	54	60	60	43	42	48	51	54	65	49	46	62	63	68	60	64	65	51.7
Dix Dam	Maximum	83	81	75	85	85	86	89	77	76	67	67	67	72	75	86	89	88	75	84	92	94	97	96	78	85	91	93	95	95	92	89	83.7
	Minimum	56	53	50	42	55	63	63	50	45	44	37	40	37	39	56	61	63	48	44	50	53	57	66	54	46	61	65	68	63	68	68	53.4
Eubank	Maximum	83	80	78	83	86	84	78	77	64	71	64	69	72	76	84	87	78	76	88	92	96	97	94	78	87	89	94	96	95	87	86	82.8
	Minimum	53	49	48	47	56	64	47	43	42	41	34	36	34	36	56	63	51	43	42	48	52	52	65	52	47	63	66	64	65	65	66	51.1
Frankfort	Maximum	86	84	76	85	85	85	78	76	69	67	69	70	74	72	87	87	88	76	85	92	96	96	86	76	86	91	93	93	94	85	90	82.9
	Minimum	50	52	48	37	56	60	61	46	42	39	36	34	34	36	51	58	60	41	41	46	50	56	62	50	45	53	62	59	60	66	65	50.2
Glasgow	Maximum	84	84	82	81	82	80	77	76	76	67	67	66	73	78	87	88	88	77	88	89	95	97	94	82	87	89	91	94	95	91	85	83.5
	Minimum	54	51	53	46	59	63	63	46	41	39	38	35	35	42	63	63	64	46	44	48	53	57	65	55	49	64	66	62	62	69	67	53.7
Greensburg	Maximum	79	79	77	80	79	79	76	74	73	70	68	62	76	72	88	89	86	74	85	93	97	92	87	79	86	93	87	88	92	88	84	81.8
	Minimum	52	50	48	40	52	60	60	42	41	38	35	32	34	35	55	56	59	41	40	47	50	52	62	61	43	61	61	58	60	66	66	49.9
Irvington	Maximum	84	82	79	88	87	81	74	78	63	68	68	68	75	75	88	90	81	78	85	91	94	94	82	77	86	90	92	93	92	85	90	82.4
	Minimum	57	56	51	43	60	64	61	49	41	37	37	38	35	42	58	61	59	42	45	50	56	60	62	50	43	58	64	64	63	65	67	52.6
Leitchfield	Maximum	81	82	77	83	83	76	75	78	76	68	72	67	74	78	86	88	82	73	83	89	93	95	84	78	84	90	91	92	94	85	89	81.9
	Minimum	60	57	53	47	57	65	61	49	43	39	41	38	42	45	58	58	61	43	46	54	60	63	64	51	49	65	68	63	67	71	68	54.9
Lexington	Maximum	88	80	75	83	84	84	77	75	59	63	67	63	73	76	85	88	73	73	83	88	92	96	88	75	84	89	91	93	94	85	89	80.9
	Minimum	56	54	47	47	59	64	51	49	41	42	39	37	44	57	62	50	45	48	58	55	61	58	51	45	63	65	66	64	70	67	67	53.3
Louisville	Maximum	80	80	76	84	82	79	74	76	60	64	65	66	72	72	86	88	70	72	81	88	93	94	80	74	83	90	90	92	91	84	90	79.9
	Minimum	63	61	54	50	64	64	60	51	47	43	44	43	44	48	60	61	52	47	55	57	63	68	60	52	52	64	73	69	70	70	70	57.4
Do. Bowman Field	Maximum	80	80	76	84	83	79	74	76	60	64	67	67	71	71	86	87	71	72	83	88	94	94	80	75	84	89	90	92	92	86	90	80.2
	Minimum	59	59	50	44	60	64	55	50	42	39	37	40	43	58	63	58	63	51	44	47	53	58	63	59	51	50	59	67	67	64	69	54.2
Mammoth Cave	Maximum	83	82	78	81	83	80	75	79	66	67	69	67	73	78	86	84	73	75	84	89	93	91	83	75	86	90	91	93	93	91	86	81.2
	Minimum	53	50	52	45	60	62	62	45	40	36	35	33	33	39	61	62	60	42	41	45	52	55	62	52	42	60	64	58	58	66	64	51.8
St. John	Maximum	81	80	76	82	84	78	75	77	66	65	70	68	71	72	85	87	83	72	83	89	92	95	84	77	83	88	90	93	93	85	91	81.1
	Minimum	57	54	50	41	55	64	61	46	39	40	37	33	35	40	55	53	61	42	47	49	54	57	59	50	47	60	65	58	62	68	66	51.7
Shelbyville	Maximum	81	82	75	85	83	80	75	75	73	65	68	68	73	73	87	88	71	81	88	93	95	94	77	71	90	91	93	94	96	90	90	81.4
	Minimum	54	52	42	40	58	61	59	45	38	36	35	32	33	37	52	59	58	40	41	48	51	57	59	45	40	55	60	60	59	66	65	49.4
Smith's Grove	Maximum	84	84	80	82	83	82	72	76	69	70	60	70	76	82	79	89	74	79	88	93	96	99	87	79	90	99	92	96	98	90	90	83.5
	Minimum	52	56	58	49	60	49	42	47	41	39	41	40	47	41	50	60	51	44	47	50	60	62	63	54	54	68	64	63	67	70	69	53.8
Stearns	Maximum	83	71	79	81	85	84	77	76	54	64	64	65	70	78	86	87	73	78	88	91	94	96	89	78	86	90	93	94	96	93	93	83.1
	Minimum	53	50	52	47	57	63	56	48	43	42	36	39	37	39	59	57	57	47	45	52	55	56	63	56	48	65	64	62	66	67	66	53.2
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	80	78	77	80	85	86	80	72	73	61	64	65	70	77	86	85	85	67	78	85	90	94	81	77	78	90	90	94	92	86	91	80.6
	Minimum	59	57	44	42	61	64	61	51	44	39	41	39	42	47	56	65	59	44	47	55	61	66	65	49	44	60	65	67	67	71	67	55.2
Eastern Division.																																	
Annville	Maximum	82	81	77	83	84	86	79	76	74	68	70	70	73	77	88	88	80	75	87	91	93	96	91	78	85	90	93	94	94	82	87	83.0
	Minimum	47	44	44	37	48	55	59	38	39	33	33	34	28	30	45	47	55	36	36	42	45	46	58	49	39	51	50	54	51	54	54	45.8
Ashland	Maximum	85	79	74	84	87	92	82	75	70	66	68	68	71	78	85	89	85	70	82	88	92	96	88	78	81	93	93	94	93	84	91	82.8
	Minimum	48	58	46	35	50	60	62	50	48	48	38	40	36	37	60	58	58	46	42	45	50	54	63	51	42	62	65	61	60	66	63	51.3
Berea	Maximum	81	79	76	82	84	86	78	75	66	67	65	69	70	78	87	88	85	72	84	89	91	95	90	84	85	90	92	93	93	88	86	81.6
	Minimum	53	49	47	48	50	58	60	49	42	37	34	35	35	42	50	60	60	42	46	49	52	55	65	54	47	61	68	65	61	66	65	51.8
Farmers	Maximum	78	78	74	81	83	86	84	73	56	64	67	63	70	78	80	85	69	72	84	90	92	95	79	79	83	71	80	88	90	77	87	78.9
	Minimum	45	51	40	64	60	66	76	72	35	36	38	31	30	33	57	65	60	42	39	44	46	51	60	49	48	52	60	57	58	65	64	50.3
Heidelberg	Maximum	84	83	77	84	84	87	87	78	65	64	67	68	74	78	87	89	84	77	87	92	97	99	90	77	87	90	93	95	97	89	89	84.8
	Minimum	48	48	43	37	51	57	61	43	38	38	32	32	33	37	53	67	65	57	40	44	51	51	61	51	51	58	68	68	69	70	68	53.4
Lynch [near]	Maximum	69	67	65	70	71	76	67	83	63	66	..	58	56	63	73	61	63	71	78	72	83	79	80	69	76	78	79	78	79	81	80	*71.6
	Minimum	53	43	49	41	52	56	44	50	35	39	..	34	35	41	56	34	39	46	59	56	70	61	62	42	58	66	66	61	62	64	62	*50.5
Maysville	Maximum	82	77	74	82	86	86	80	78	72	64	66	67	70	75	87	85	78	71	81	89	92	95	89	75	82	90	91	93	90	86	90	81.1
	Minimum	48	54	40	35	52	60	63	47	48	38	42	36	34	37	57	62	61	43	44	48	50	57	64	49	34	52	65	58	60	67	66	50.8
Middlesboro	Maximum	84	81	77	82	85	80	80	76	71	72	82	80	79	71	77	94	87	72	92	98	98	94	91	87	93	95	98	97	97	97	96	87.0
	Minimum	43	47	44	46	50	58	63	45	48	45	37	38	34	36	55	54	58	46	41	46	49	53	51	52	45	63	59	58	60	65	67	50.4
Mount Sterling	Maximum	83	80	78	83	84	87	78	75	63	64	68	68	72	77	85	87	83	78	86	90	94	97	87	83	85	90	92	95	94	86	90	82.5
	Minimum	54	54	46	44	59	65	62	50	42	38	42	38	35	42	57	60	61	44	45	49	53	58	65	51	46	60	67	66	63	70	68	53.4
Pikeville	Maximum	85	82	80	87	89	94	78	79	60	65	71	70	72	78	92	92	73	79	89	95	98	100	93	80	88	93	96	99	97	87	88	84.8
	Minimum	48	49	40	40	57	57	60	55	49	41	44	39	37	37	53	53	52	43	43	45	51	57	68	47	42	55	60	60	61	67	62	50.2
Pippapass	Maximum	87	79	80	85	88	88	84	74	82	69	69	65	66	70	71	72	75	80	85	90	95	96	97	91	79	87	90	93	96	95	96	84.3
	Minimum	49	47	40	39	54	51	47	61	42	42	38	37	36	36	49	40	38	40	52	50	61	51	51	41	54	50	58	60	60	56	50	46.5
Quicksand	Maximum	85	82	78	85	87	90	80	77	60	63	68	57	71	77	87	87	77	77	87	92	96	98	90	78	86	91	92	95	96	81	89	82.5
	Minimum	47	48	42	37	51	57	60	47	44	39	40	38	34	34	..	..	..	..	..	45	49	49	59	50	40	54	60	58	60	63	64	.....
Richmond	Maximum	82	80	78	82	82	85	75	72	58	60	65	65	70	72	82	84	70	76	80	86	90	95	85	75	87	90	92	92	92	90	85	79.0
	Minimum	58	60	50	50	62	67	63	54	44	42	40	40	40	47	60	65	64	46	50	57	58	62	68	55	47	68	68	70	70	72	70	57.0
Williamsburg	Maximum	84	80	80	82	80	86	78	78	68	66	69	70	70	80	88	86	77	79	86	89	93	95	91	81	87	88	90	92	92	86	87	82.5
	Minimum	44	46	46	45	53	57	61	45	44	40	38	42	34	38	56	60	59	44	44	48	51	54	61	58	45	45	62	61	53	63	68	50.4
Winchester	Maximum	81	79	74	82	84	84	76	78	65	62	65	66	71	74	85	86	80	71	84	89	92	96	87	76	86	91	93	94	94	91	89	81.1
	Minimum	58	50	46	46	60	64	66	49	41	39	39	39	38	41	55	61	61	44	49	56	56	58	66	49	45	61	67	67	66	71	66	53.8

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*,b,c etc. indicate respectively 1, 2, 3 etc., days missing from record.

A. B. O. Louisville. 7-10-41-1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., JUNE, 1941 No. 5

GENERAL SUMMARY.

Heavy rainfall, ranging in amount from 1.0 to 4.0 inches, visited most of the State in the first decade. The moisture deficiency that had prevailed in northern and western counties during the spring months was generally relieved by these rains. However, districts of considerable size in the western and extreme eastern parts of the State received only enough rain to care temporarily for the needs of vegetation. These areas again became very dry toward the end of the month, causing irregularity in growth. Prolonged and excessive rains in some northeastern and south-central districts partly reached the subsoil, but as a rule merely the top soil was thoroughly moistened. For this reason springs, ponds, and streams were not much affected in most places; and there was only temporary replenishment of upland water supplies. The rains made possible the completion of tobacco setting where the work was done, by hand, and resulted in good stands practically everywhere. The large root systems developed in the search for moisture during the dry weather contributed to progress greater than normal after the rains came.

Only scattered showers fell during the last half of the month. The long dry period at this time favored completion of wheat and barley harvest, making of second crop alfalfa hay, and the ripening of oats. The rains came in time to help fill wheat heads and to improve considerably the oat crop. High temperature in the last decade hastened the curing and improved the quality of hay. Transplanting of field tomatoes was completed early in the month during the cloudy, showery weather. Late in the month dry weather adversely affected this crop in some important western areas. The rains saved much young clover and lespedeza, and also produced marked improvement in soybeans. The high temperature and dry weather of the last decade provided ideal conditions for the growth of cotton. Gardens and pastures improved decidedly. Cultivation was generally clean before the rains, therefore weediness became serious only in certain very wet northeastern localities. With the exception of the restricted dry upland districts, mainly in the western counties, crop conditions, as affected by the weather, were quite satisfactory at the end of the month.

TEMPERATURE.

Temperatures somewhat below normal occurred on the 4th and 5th, and considerably below from the 13th to 18th. Very cool weather, with daily deficiencies of 6° to 10°, prevailed from the 14th to 17th. As a rule the coolest days were the 16th and 17th. With the exception of these short cool intervals, temperatures were continuously above the seasonal average. Maximum temperatures of 90° or higher occurred daily in the last decade. Maxima reached or exceeded 100° at stations in the dry southwestern district on the 27th. The highest for the State was 108° at Earlington on the 30th and at Russellville on the 28th. The lowest was 41° at Annville on the 6th.

PRECIPITATION.

Precipitation averaged somewhat above normal, but was so irregularly distributed that some parts of the State received less than one-fourth of the seasonal amount while other localities received from two to three times that quantity. In most of the eastern half of the State from 4.0 to 6.0 inches occurred, although there was a relatively dry district from the central bluegrass region eastward that had 2.8 to 3.5 inches. A few counties in the middle Green River Valley received from 4.0 to 7.0 inches, otherwise the rainfall in western districts ranged from 2.5 to 3.5 inches. Stations in a limited area in the lower valley of the Green, in the southwestern part of the Purchase and in places near the southwestern border reported from 1.0 to 2.0 inches. For the State the rainfall varied between 0.89 inch at Russellville and 10.82 inches at Williamstown. Rain was fairly general and usually moderate to heavy in the period 2d-4th. It was general and often heavy in central and eastern districts from the 7th to 17th, but was local and frequently light in the western counties. Falls of 1.0 to 2.0 inches in 24 hours occurred locally on the 3d, 4th, 8th, 9th, 10th, 11th, and 15th. In most areas the rain fell in such a way that the maximum amount entered the soil. Days with thunderstorms were 1, 2, 3, 7, 8, 9, 10, 11, 12, 13, 14, 16, 16, 21, 24, 25, 25, 27, 28, 29, 30.

MISCELLANEOUS.

June 28.—A girl was killed by lightning while standing under a tree in Shelby Park, Louisville.

Rivers.—Heavy upper basin rains early in the month caused a moderate rise in the Ohio that culminated with stages of 30 to 36 feet along the north border of the State from the 9th to 12th. The river subsided in pool levels from the 24th to 26th. Tributary streams in the State had only slight swells from these rains.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.24	30.19	21	29.68	3	6.7	27	sw.	18	80	50	.	84
Cincinnati ..... Ohio	29.97	30.26	20	29.59	4	5.7	22	sw.	13	81	55	68	61
Evansville ..... Ind.	29.91	30.21	21	29.65	3	6.6	34	nw.	9	82	49	54	78
Louisville ..... Ky.	29.95	30.23	19	29.63	4	7.8	34	sw.	28	85	57	61	68

COMPARATIVE DATA FOR JUNE.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation Average.	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	70.6	99	38	5.27	..	..	..	..	..
1890	78.4	101	51	4.96	..	..	..	..	..
1891	77.1	97	51	4.48	..	..	..	..	..
1892	75.8	101	48	4.23	..	..	..	..	..
1893	73.3	97	48	4.64	..	..	..	..	..
1894	75.6	102	35	2.69	..	..	..	..	..
1895	75.9	104	47	3.63	0	..	15	10	5
1896	73.5	98	46	4.64	0	10	11	12	7
1897	73.4	101	41	3.61	0	9	14	12	4
1898	76.2	101	45	3.90	0	9	15	12	3
1899	76.1	100	44	2.80	0	8	15	10	5
1900	73.9	100	40	6.14	0	14	8	12	10
1901	75.6	104	42	3.97	0	9	15	9	6
1902	73.4	101	39	4.75	0	11	13	9	8
1903	68.6	96	37	3.61	0	10	14	8	8
1904	73.2	99	48	3.14	0	11	14	10	6
1905	74.8	106	45	4.49	0	10	16	6	8
1906	73.9	99	42	4.53	0	11	14	8	8
1907	70.2	95	41	4.91	0	11	12	9	9
1908	73.4	102	43	4.36	0	7	17	8	5
1909	74.5	99	43	5.03	0	14	10	11	9
1910	70.0	99	36	5.20	0	10	15	8	7
1911	75.2	106	45	4.06	0	10	17	7	6
1912	70.2	95	38	3.48	0	10	13	8	9
1913	75.0	107	38	2.87	0	7	19	6	5
1914	78.3	108	45	2.30	0	5	18	8	4
1915	71.7	95	42	4.79	0	12	12	10	8
1916	70.1	99	45	4.94	0	11	13	10	7
1917	70.9	100	39	4.30	0	10	15	9	6
1918	73.6	104	37	3.63	0	8	16	8	6
1919	76.7	103	51	4.00	0	10	14	10	6
1920	71.9	100	44	3.12	0	7	17	6	7
1921	77.8	100	46	2.90	0	8	14	11	5
1922	75.4	100	44	3.10	0	9	14	10	6
1923	73.8	99	42	4.59	0	9	16	8	6
1924	74.2	99	42	4.39	0	12	13	10	7
1925	77.0	105	48	3.90	0	7	16	8	6
1926	70.9	98	42	3.45	0	8	15	9	6
1927	70.4	98	42	4.13	0	11	14	8	8
1928	69.5	98	45	0.88	0	18	7	10	13
1929	71.7	97	37	14.11	0	9	17	7	6
1930	73.1	104	38	1.76	0	6	19	7	4
1931	75.3	106	39	2.80	0	8	17	8	5
1932	74.8	108	40	4.88	0	11	13	10	7
1933	76.5	105	39	1.57	0	4	21	2	7
1934	77.4	105	50	4.58	0	6	27	2	1
1935	70.5	96	44	7.50	0	14	11	10	9
1936	76.1	110	40	0.81	0	3	21	6	3
1937	74.3	99	46	4.52	0	10	18	6	6
1938	71.8	98	45	3.93	0	11	13	9	8
1939	75.1	97	47	6.01	0	14	10	12	8
1940	73.1	100	44	3.39	0	11	10	12	8
1941	74.7	103	41	4.67	0	11	12	11	7
Period 1	73.9	110	35	4.16	0	10	14	9	7

1 53-year averages.

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Climatological Data for June, 1941.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr. Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Precipitation in inches Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	Number of days With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	Observers.
Western Division.																				
Beaver Dam	Ohio	441	29	74.6	+ 0.4	93	27‡	47	18	37	4.06	+0.89	1.50	0	9	9	12	9	s.	Eldred G. Young.
Calhoun	McLean	437	37	76.4	+ 1.3	101	27‡	46	18	40	0.80	−3.06	0.30	0	5	15	8	7	.....	R. C. Bennett.
Darlington	Hopkins	420	47	77.2	+ 1.4	103	30	46	18	44	2.44	−1.58	0.65	0	9	19	8	3	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	....	....	....	....	....	....	....	2.85	−0.75	0.93	0	12	....	....	....	.....	Loekmaster.
Gilbertsville	Marshall	434	2	....	....	....	....	....	....	....	2.84	.....	1.47	0	4	....	....	....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	74.7	+0.2	98	26‡	46	18	39	4.71	+0.55	2.08	0	9	16	14	0	s.	C. R. Lovell.
Hartford (near)	Ohio	610	2	....	....	....	....	....	....	....	1.82	.....	0.93	0	11	13	11	6	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	76.0	.....	102	26	47	18	42	2.19	−1.42	0.99	0	8	11	17	2	s.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	74.6	− 0.8	100	27	48	18	33	4.43	−0.06	1.07	0	7	19	11	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	78.4	+ 2.9	99	26‡	48	18	41	2.17	−1.91	1.12	0	7	15	14	1	s.	Blaine Malone.
Mayfield	Graves	364	32	77.6	+ 2.6	100	30	53	17‡	35	1.43	−2.37	0.60	0	5	17	13	0	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	77.2	.....	98	30	52	18	35	2.10	−2.66	1.04	0	3	2	5	23	ne.	Ralph B. Wear,
Owensboro	Daviess	420	44	74.6	+ 0.5	97	27	50	16‡	34	2.89	−1.02	1.02	0	6	22	4	4	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	....	....	....	....	....	....	....	3.14	−0.98	1.06	0	8	....	....	....	.....	Loekmaster.
Paducah	McCracken	341	21	76.8	− 1.1	97	26	54	18	31	2.84	−1.38	1.19	0	8	18	11	1	.....	Joe Lagore,*
Princeton	Caldwell	529	34	77.2	+ 1.9	102	30	49	18‡	36	1.64	−2.46	0.63	0	6	9	16	5	s.	S. J. Lowry.
Rmnsey, Lock 2	McLean	384	24	....	....	....	....	....	....	....	0.74	−2.87	0.38	0	5	....	....	....	.....	Loekmaster.
Russellville	Logan	590	25	76.5	+ 1.9	103	28	44	17	34	0.59	−3.05	0.27	0	3	19	6	5	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	....	....	....	....	....	....	....	3.77	+0.04	1.68	0	10	....	....	....	.....	Loekmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	13	....	....	....	....	....	....	....	3.92	+0.02	1.35	0	10	....	....	....	.....	Loekmaster.
Anchorage	Jefferson	700	41	72.7	+ 0.6	92	28	48	17	30	4.68	+1.01	0.88	0	16	15	6	8	se.	C. E. Barret.
Bowling Green	Warren	560	45	77.9	+ 1.9	101	30	56	18	33	5.84	+1.78	1.17	0	8	15	7	8	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	24	....	....	....	....	....	....	....	3.80	−0.44	1.33	0	8	....	....	....	.....	Loekmaster.
Burnside	Pulaski	705	50	....	....	....	....	....	....	....	5.72	+1.53	1.17	0	13	....	....	....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	....	....	....	....	....	....	....	8.23	+4.25	2.83	.....	10	....	....	....	.....	Loekmaster.
Clermont	Bullitt	474	3	....	....	96	28	....	....	....	6.58	.....	3.64	0	11	13	16	1	sw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	....	....	....	....	....	....	....	6.14	+2.37	1.44	0	16	....	....	....	.....	Loekmaster.
Danville	Boyle	955	17	73.4	....	95	28‡	50	17	35	6.84	+2.93	2.75	0	11	9	12	9	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	75.2	+ 1.3	97	28‡	53	6	34	4.84	+0.50	2.02	0	10	9	14	7	.....	Kentucky Utilities Co.
Eadsville	Wayne	622	1	....	....	....	....	....	....	....	3.45	....	1.05	0	11	....	....	....	.....	Joe Norfleet.
Enbank	Pulaski	1177	46	74.2	+ 2.7	97	29	47	18‡	34	1.53	−2.72	0.72	0	4	6	18	6	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	73.4	+ 0.7	99	27	52	6‡	38	5.11	+1.40	2.01	0	12	10	13	7	sw.	Loekmaster.
Gest, Lock 3	Henry	499	31	....	....	....	....	....	....	....	5.86	+1.85	2.08	0	11	....	....	....	.....	Loekmaster.
Glasgow	Barren	760	14	74.8	+ 0.7	95	27	51	18	33	4.83	+1.21	1.04	0	11	9	20	1	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	16	....	....	....	....	....	....	....	6.38	+2.68	2.06	0	11	....	....	....	.....	Loekmaster.
Greensburg	Green	581	48	72.9	− 0.3	95	30	48	18	37	8.15	+3.72	0.95	0	12	4	2	24	e.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	841	39	....	....	....	....	....	....	....	6.11	+2.07	2.66	0	12	....	....	....	.....	Loekmaster.
Irvington	Breckinridge	646	43	74.4	+ 0.4	96	26‡	43	16	39	4.66	+0.65	1.26	0	10	14	8	8	s.	L. O. Stiles.
LaGrange	Oldham	859	1	....	....	....	....	....	....	....	7.57	....	1.97	0	17	12	9	9	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	....	....	....	....	....	....	....	5.73	+0.52	3.10	0	10	....	....	....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	74.8	+ 1.2	95	27	52	16‡	38	2.92	−1.17	1.02	0	12	10	11	9	sw.	D. Lem Hughes.
Lexington	Fayette	983	57	74.6	+ 2.4	97	30	52	17	30	4.18	+0.13	1.26	0	14	15	9	6	.....	U. S. Weather Bureau
Littlefickman, Lock 8	Jessamine	809	31	....	....	....	....	....	....	....	6.47	+0.23	1.61	0	8	....	....	....	.....	Loekmaster.
Loekport, Lock 2	Henry	485	31	....	....	....	....	....	....	....	5.83	+1.45	1.63	0	12	....	....	....	.....	Loekmaster.
LOUISVILLE	Jefferson	459	68	75.6	+ 0.9	95	27	54	17	26	6.82	+3.00	1.80	0	16	13	12	5	sw.	U. S. Weather Bureau.
Do. Bowman Field	Jefferson	558	3	74.7	....	94	27	51	17	30	4.53	.....	0.90	0	14	....	....	....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	73.2	....	95	30	46	18	38	4.81	....	0.95	0	11	11	10	9	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	....	....	....	....	....	....	....	5.18	....	1.80	0	11	10	9	11	.....	E. O. Cooper
Munfordville	Hart	600	12	....	....	....	....	....	....	....	4.65	−0.98	1.69	0	11	....	....	....	.....	Chester Williams.
St. Jonn	Hardin	777	45	73.4	+ 0.9	96	27	48	17	34	3.80	−0.46	1.20	0	13	15	7	8	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	....	....	....	....	....	....	....	7.34	+2.92	2.99	0	11	....	....	....	.....	Loekmaster.
Shelbyville	Shelby	825	48	72.4	− 0.9	96	27	47	17	34	6.31	+2.30	2.03	0	15	12	0	18	sw.	Willa S. Batta.
Smith's Grove	Warren	607	3	75.8	.....	99	30	48	18	38	7.68	.....	2.66	0	8	6	14	11	s.	C. W. Cuernsey.
Stearns	McCreary	1400	15	72.6	.....	92	28‡	50	17	32	5.67	.....	0.94	0	13	8	13	9	sw.	Airway Station,
Taylorsville	Spencer	483	35	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	23	....	....	....	....	....	....	....	5.57	+1.00	2.82	0	12	....	....	....	.....	Loekmaster.
Williamstown	Grant	943	38	74.0	+ 1.8	95	30	47	17	28	16.82	+7.19	3.40	0	14	18	3	9	w.	Miss Mertie B. Simpson.
Woodbury, Lock 4	Butler	504	24	....	....	....	....	....	....	....	4.61	+0.21	1.28	0	7	....	....	....	.....	Loekmaster
Eastern Division.																				
Annville	Jackson	....	10	71.7	....	95	30	41	6	36	5.36	.....	0.91	0	13	10	9	11	nw.	W. A. Worthington.
Ashland	Boyd	531	24	74.4	+ 1.1	98	28‡	53	17	35	3.22	−1.00	0.68	0	13	16	5	9	w.	Loekmaster.
Berea	Madison	1070	38	74.3	+ 1.4	97	30	51	17	31	4.81	+0.34	1.73	0	10	8	12	8	w.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	31	....	....	....	....	....	....	....	4.79	+0.68	2.36	0	9	....	....	....	.....	Loekmaster.
Cynthiana	Harrison	684	23	....	....	....	....	....	....	....	5.20	+1.84	1.57	0	11	....	....	....	.....	S. M Hill.
Falmouth	Pendleton	600	52	....	....	....	....	....	....	....	9.57	+5.49	4.19	0	16	....	....	....	.....	Jessie Oldham.
Farmers	Rowan	668	31	70.7	− 0.6	93	28	48	6	36	3.65	−0.65	0.67	0	13	8	15	7	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	....	....	....	....	....	....	....	5.30	+0.96	1.16	0	15	....	....	....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	25	....	....	....	....	....	....	....	3.31	−0.70	1.23	0	10	....	....	....	.....	Loekmaster.
Garrett	Knott	889	11	....	....	....	....	....	....	....	4.62	+1.28	1.33	0	10	....	....	....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	....	....	....	....	....	....	....	3.62	−0.12	0.57	0	16	....	....	....	.....	Loekmaster.
Hazard	Perry	869	17	....	....	....	....	....	....	....	8.72	+5.30	1.50	0	14	....	....	....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	74.0	.....	97	30	49	6	39	5.80	+1.62	1.32	0	12	9	5	16	sw.	Loekmaster.
Jackson	Breathitt	776	17	....	....	....	....	....	....	....	4.54	....	1.10	0	13	....	....	....	.....	Mas. T. Goff.
Jenkins	Letcher	1566	15	....	....	....	....	....	....	....	2.85	−0.16	0.78	0	11	....	....	....	.....	R. J Howard,
Louisa	Lawrence	584	38	....	....	....	....	....	....	....	2.9	−1.84	1.33	0	13	....	....	....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	....	....	....	....	45*	5	....	3.99	.....	0.88	0	10	11	5	14	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	73.0	+ 0.1	96	28‡	50	17	33	7.22	+3.17	3.68	0	15	7	19	4	sw.	Loekmaster.
Middlesboro	Bell	1128	42	76.5	+ 4.1	97	11	50*	18	41*	3.43	−1.19	0.67	0	14	13	17	0	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	73.6	+ 2.0	96	28	49	4	33	3.78	−0.87	0.67	0	12	12	14	4	s.	W. R McKee.
Oneida	Clay	800	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	....	....	....	....	....	....	....	7.26	+2.96	2.05	0	15	....	....	....	.....	Loekmaster.
Paintsville	Johnson	620	7	....	....	....	....	....	....	....	2.82	.....	0.87	0	11	....	....	....	.....	E. C. Fraley.
Pikeville	Pike	636	5	74.6	.....	99	30	52	5	38	5.80	+1.80	2.12	0	14	2	15	13	e.	U. S Weather Bureau.
Pippapass	Knott	1085	7	78.2	.....	98	11	49	6	38	6.17	....	0.98	0	16	9	14	7	se.	Caney Run Com. Cen.
Quicksand	Breathitt	732	15	73.8	+ 1.7	96	28	51	6	37	4.61	+0.54	1.05	0	14	....	....	....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	....	....	....	....	....	....	....	8.87	−0.64	1.17	0	10	....	....	....	.....	Loekmaster.
Richmond	Madison	926	44	74.6	+ 1.1	93	27‡	54	17	26	4.05	−0.04	1.55	0	18	16	8	6	.....	I. W. Crooke.
Valley View, Lock 9	Madison	571	28	....	....	....	....	....	....	....	3.75	−0.95	1.98	0	9	....	....	....	.....	Loekmaster.
Vanceburg, Dam 32	Lewis	525	24	....	....	....	....	....	....	....	4.67	+0.70	0.84	0	13	....	....	....	.....	Loekmaster.
Williamsburg	Whitley	939	14	74.6	+ 0.7	96	8	51	6‡	37	5.17	+2.59	3.10	0	10	14	10	6	.....	Wadely West,
Willow, Lock 13	Lee	646	21	....	....	....	....	....	....	....	3.42	−0.92	0.88	0	9	....	....	....	.....	Loekmaster.
Winchester	Clark	964	4	74.4	.....	96	30	53	6‡	32	3.54	....	0.73	0	12	3	24	3	.....	Airway Station.
State averages and extremes		....	....	74.7	+ 0.8	103	28‡	41	6	44	4.67	+0.51	4.19	0	11	12	11	7	s.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
*Also on other dates. †Received too late to be included in means and summaries. T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for June, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam	G	....	.26	.89	....	....	....	.13	....	64	1.50	.02	....	....	.82	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10	.11	4.06
Calhoun	G	....	.20	.80	....	....	....	....	....	....	.16	.01	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	2.80
Carlington [2]	G	....	T.	.62	.65	....	....	....	....	....	.15	.29	....	.07	....	....	....	....	....	....	....	....	.19	.84	.04	....	....	....	....	.02	....	2.44
Fords Ferry Dam 50 [2]	O	....	.03	.30	.93	....	....	.05	....	.03	.32	.14	....	.01	....	....	....	....	....	....	....	....	.03	.02	....	....	....	....	.41	.05	....	2.86
Gilbertsville [2]	T	....	.82	1.47	....	....	....	....	....	....	.49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.06	....	....	2.84
Greenville	G	....	.87	2.08	.05	....	....	.06	.50	.25	.50	....	....	....	....	....	....	....	....	....	....	....	....	.20	....	....	....	....	....	.25	....	4.71
Hartford	G	....	.12	.93	.01	....	....	.12	.02	.01	.21	.11	....	.02	.07	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	.20	....	1.82
Henderson	O	....	.10	.35	....	....	....	....	....	.09	.42	.99	....	....	.02	....	....	....	....	....	....	....	.01	....	....	....	....	....	.16	.07	....	2.19
Hopkinsville [2]	C	....	....	1.07	.72	....	....	....	.82	.65	.86	.88	....	....	....	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	....	....	4.44
Lovelaceville	M	.22	1.12	.10	....	....	....	....	....	....	.11	....	.20	....	....	....	....	....	....	....	.82	.10	....	....	....	....	....	....	....	....	....	2.17
Mayfield	M	....	.60	.85	....	....	....	.06	....	.07	.35	....	....	T.	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	1.43
Murray [2]	T	....	.25	T.	....	....	....	....	1.04	.81	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2.10
Owensboro [2]	O	....	....	.64	.69	....	....	T.	....	1.02	.40	.22	....	T.	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.02	....	2.89
Owensboro, Dam 46 [2]	O	....	....	.64	.73	....	....	....	....	1.06	.37	.14	....	T.	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	.07	....	.11	3.14
Paducah [2]	O	....	.17	1.19	.56	....	....	.02	....	T.	.07	....	.06	T.	....	....	....	....	....	....	....	....	.03	....	....	....	....	....	.74	T.	....	2.84
Princeton	G	....	.44	.63	.15	....	T.	....	T.	.40	T.	....	T.	....	....	....	....	....	....	....	....	....	.01	....	....	....	....	....	....	.01	....	1.64
Ramsey, Lock No. 2 [3]	G	....	....	.88	.06	....	....	....	....	T.	.18	.01	....	....	T	....	....	....	....	....	....	....	....	....	....	....	....	....	....	T.	.11	0.74
Russellville [2]	G	....	....	.27	....	....	....	....	.16	....	....	.16	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	0.59
Uniontown, Dam 49 [2]	O	....	....	.90	.06	....	....	.06	....	....	.29	.14	.09	.08	....	.12	....	....	....	....	....	....	....	....	....	....	....	....	1.68	.35	T.	3.77
Central Division																																
Addison, Dam 45 [2]	O	....	....	.40	.25	....	....	.10	.02	1.35	.20	.62	....	.13	T.	T	....	....	....	....	....	....	....	....	....	....	....	....	.57	.28	....	3.92
Anchorage	O	....	....	.53	.04	....	.25	....	.18	.88	.87	.05	.08	.48	.21	.12	.07	....	....	....	....	....	.44	....	....	....	....	....	.07	.08	.05	....	4.68
Bowling Green [3]	G	....	....	1.03	.81	....	.95	....	.20	1.17	1.30	....	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	....	....	5.84
Bowling Green No. 2 [3]	G	....	....	.94	.86	....	....	.90	.08	1.86	1.15	....	....	.30	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	T.	....	5.09
Brownsville, Lock No. 6 [2]	G	....	....	.70	1.13	....	....	.06	....	1.33	.17	....	....	T.	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.37	.02	....	2.80
Burnside [2]	C	....	....	1.17	.25	.10	....	.75	....	.05	.87	.66	....	.90	.10	....	....	....	....	....	....	....	.65	.15	....	....	....	....	....	.02	....	5.72
Carrollton, Lock No. 1 [3]	K	....	....	2.83	....	....	.15	T.	1.03	.83	1.25	....	....	.50	.42	.89	.70	....	....	....	....	....	....	.16	....	....	....	....	....	....	....	8.23
Clermont	S	....	....	.12	.01	....	....	.72	....	3.64	.60	.56	....	....	.84	.26	.02	....	....	....	....	....	....	....	....	....	....	....	.14	.17	....	6.58
Cold Spring, Dam 36 [2]	O	....	1.14	1.08	.36	.07	....	1.01	.50	.38	.18	.64	.07	.24	.08	.49	.15	....	....	....	....	....	....	....	....	....	....	....	.02	.08	....	6.44
Danville [2]	K	T.	....	2.30	.09	T	....	1.12	....	2.75	.06	.21	....	.08	.07	.02	.03	....	....	....	....	T.	....	....	....	....	....	....	.08	....	....	6.84
Dix Dam, Burgin	K	....	.82	.05	....	....	.38	.42	2.02	.09	.20	....	.03	.23	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	....	4.84
Eadsville [2]	K	....	....	.49	.79	.22	....	....	.27	....	.17	1.05	.02	.08	....	.20	....	....	....	....	....	....	.09	.07	....	....	....	....	T.	....	....	3.45
Eubank	C	....	....	....	.20	....	....	....	.72	....	....	.57	....	....	....	.01	....	....	....	....	....	....	....	....	....	....	....	....	.60	....	....	1.53
Frankfort, Lock No. 4 [3]	K	T.	....	.31	.13	.08	....	.86	T.	2.01	.01	.97	.03	T.	.38	.06	.03	....	....	....	....	....	....	....	....	....	....	....	T.	.24	....	5.11
Frest, Lock No. 3 [2]	K	T.	....	2.08	.23	.04	....	.69	T	1.56	.07	.60	T.	.21	.16	.17	.05	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	5.86
Glasgow	G	....	....	.77	1.04	.01	....	1.00	.01	.78	1.00	.01	....	.08	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.08	.05	....	4.83
Grant, Dam 38 [2]	O	....	.93	2.06	....	....	....	....	.54	.80	.19	.76	T.	.41	.21	.19	.15	....	....	....	....	....	....	....	....	....	....	....	.14	....	....	6.88
Greensburg [3]	G	.87	....	.79	.28	....	....	.95	....	.26	.05	.18	....	.03	.22	....	....	....	....	....	....	.90	....	....	....	....	....	....	.70	.01	....	8.15
High Bridge, Lock No. 7 [2]	K	....	....	.60	.08	.02	....	.20	1.03	2.66	.31	.23	....	....	.19	....	.20	....	....	....	....	....	....	....	....	....	....	....	.43	.11	....	6.11
Irvington	O	....	.10	.30	T.	....	.31	....	1.26	.80	.56	....	T.	.53	T.	....	....	....	....	....	....	....	T.	....	....	....	....	....	.53	.14	.13	4.66
LaGrange	O	....	.45	.87	.63	....	.20	.06	1.97	.99	.39	....	.16	.13	.09	....	.47	....	....	.02	....	.42	....	....	....	....	....	....	.14	.42	.16	7.57
Lancaster [2]	K	3.10	.02	.03	....	....	.50	.09	1.38	.04	.18	....	.02	.34	....	....	....	....	....	....	....	....	....	....	....	....	....	.65	....	....	5.73
Leitchfield [2]	G	....	.20	.20	.01	....	1.02	....	.20	.10	.24	....	.11	.20	....	....	....	....	....	....	....	.27	....	....	....	....	....	.07	.80	....	....	2.92
Lexington [2]	K	....	.79	.03	.05	....	.27	....	.87	.43	.58	....	.03	.13	.16	.17	.01	....	....	....	....	....	....	....	....	....	....	.54	.12	....	....	4.18
Little Hickman, Lock No. 8 [2]	K	....	....	.70	....	....	....	.80	.56	1.91	.11	.26	....	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	....	....	.15	....	4.57
Lockport, Lock No. 2 [2]	K	....	....	1.51	.62	.05	....	.56	....	1.63	.08	.57	.03	.34	.80	.13	....	....	....	....	....	.11	....	....	....	....	....	....	....	T.	....	5.83
Louisville [1] [2]	O	....	.59	.21	T.	....	.17	11	.71	1.12	.56	.02	.02	.47	.01	.48	....	....	....	....	....	....	....	....	....	....	1.10	1.05	.06	.14	....	6.82
Lyon Bowman Field	O	.29	.26	T.	....	....	19	.03	.54	.96	.33	....	.06	.48	.04	.76	....	....	....	....	....	T.	....	....	....	....	.10	.44	.05	T	....	4.53
Mammoth Cave [2]	G	....	....	.90	.54	T.	....	.91	....	.95	.49	.01	....	.27	.04	.11	....	....	....	....	....	....	....	....	....	....	....	....	.84	.25	....	4.81
Monticello [2]	C	....	....	1.09	1.90	.18	....	....	.58	.07	.45	.40	.05	.22	.07	....	....	....	....	....	....	.17	....	....	....	....	....	....	....	....	....	5.18
Munfordville [2]	G	....	....	1.69	.47	T.	....	.66	.32	.45	.22	.24	.04	.09	....	....	....	....	....	....	....	T.	....	....	....	....	....	.42	.65	....	....	4.65
Mt. John [2]	S	....	....	1.07	1.20	.01	....	.87	.01	.35	.11	.08	....	.01	.81	....	....	....	....	....	....	....	....	....	....	....	....	....	.75	.02	....	....	3.80
Nalvisa, Lock No 6 [2]	K	.06	....	1.45	.07	T.	....	.50	.51	2.99	.15	1.20	....	.15	.13	....	....	....	....	....	....	....	....	....	....	....	....	....	.13	T.	....	7.84
Shelbyville [2]	S	....	....	.41	.11	.05	....	1.16	T.	2.03	.11	.41	.34	.10	.34	.05	.20	....	....	....	....	....	....	.07	....	....	....	....	.67	.26	....	6.81
Smith's Grove	G	....	.14	2.56	T.	....	....	1.43	.35	1.22	1.66	T.	....	.20	.12	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	7.68
Stearns	C	....	.90	.67	.33	....	.37	.18	.06	.91	.48	.21	.11	.46	.14	....	....	....	....	....	....	....	....	....	....	....	....	....	.82	....	....	5.67
Taylorsville	S	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Tyrone, Lock No. 5 [2]	S	....	....	.22	.08	....	....	.35	....	2.92	.05	1.15	.03	.05	.12	T.	.05	....	....	....	....	....	....	.05	....	....	....	....	T.	.50	....	5.57
Williamstown [2]	L	.02	3.40	.93	.04	....	.74	1.39	1.23	.65	.68	.05	.17	1.02	.19	.31	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	10.82
Woodbury, Lock No. 4 [2]	G	....	....	.59	1.28	....	....	.36	....	1.14	.82	....	....	.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.78	....	....	4.61
Eastern Division																																
Annville [2]	C	....	.65	.22	.25	....	.25	.58	.73	.83	.91	....	.33	.22	T.	....	....	....	....	....	....	.23	....	....	....	....	....	....	.18	.48	....	5.36
Ashland [2]	O	....	.83	.68	.10	.11	....	.02	....	.01	.18	....	.01	.46	.57	.15	.03	....	....	....	....	....	....	....	....	....	....	....	....	.01	....	3.22
Berea	K	....	....	1.79	.14	.07	....	.38	.95	.58	....	....	.30	....	.28	.09	....	....	....	....	....	....	....	....	....	....	....	....	....	.42	....	....	4.84
College Hill, Lock No. 11 [2]	K	....	....	.87	....	....	....	.40	....	2.36	.14	.30	....	....	.16	.11	....	....	....	....	....	.26	....	....	....	....	....	....	.19	T.	....	4.79
Cynthiana [2]	L	....	....	.46	T.	.02	....	.33	....	1.05	.08	.53	T.	T.	.36	.32	.40	....	....	....	....	1.57	....	....	....	....	....	....	....	.07	....	5.20
Falmouth [2]	L	....	.12	4.19	.70	.01	....	.70	.53	.21	.52	.69	.01	.06	.47	.47	.20	....	....	....	....	....	....	....	....	....	....	....	.13	.02	....	9.57
Farmers [2]	L	T.	.25	.67	.41	.07	....	.19	.02	.51	.02	.40	.14	.31	.52	T.	....	....	....	....	....	....	....	....	....	....	....	....	....	.14	....	3.65
Flemingsburg [2]	L	....	....	.86	.20	.17	....	.18	.34	.10	.70	.61	.15	.17	.22	.38	.05	....	....	....	....	....	.11	....	....	....	....	....	1.16	....	....	5.40
Ford, Lock No. 10 [2] [1]	K	T.	....	.70	.03	T.	....	.27	T.	1.23	.11	.25	.23	T.	.32	.14	.03	....	....	....	....	....	....	....	....	....	....	....	T.	T.	....	3.31
Grayson [2]	O	.30	....	1.85	.35	....	....	....	....	....	.34	.11	.04	.56	.88	.14	....	....	....	....	....	....	....	....	....	....	....	....	....	.57	....	4.62
Greenup Dam 30 [2]	O	.65	.56	.46	.04	.06	....	.17	.16	....	.08	.30	.15	.48	.27	.57	.01	.03	....	....	....	....	....	....	....	....	....	....	.28	....	....	3.62
Hazard [2]	K	....	....	.33	.12	.50	....	.17	1.16	1.09	.12	.11	.14	.93	1.02	.10	....	....	....	....	....	1.50	....	....	....	....	....	....	....	1.46	....	8.72
Heidelberg, Lock No. 14 [2]	K	....	....	1.12	.01	.17	....	.57	....	1.14	.04	.39	....	....	T.	.07	....	....	....	....	....	.06	.31	....	....	....	....	....	.93	.82	....	5.80
Jackson [2]	K	....	....	1.10	.18	.01	....	.08	.28	.18	....	.32	.28	....	.17	.20	....	....	....	....	....	T.	.31	....	....	....	....	....	.72	.68	....	4.54
Jenkins [2]	B	11	....	.07	....	.78	....	....	.53	....	.61	.17	....	.27	.31	.71	....	....	....	....	....	....	.16	....	....	....	....	....	....	.13	....	3.35
Jowles [2]	B	....	.05	1.23	.65	.03	....	....	....	.07	.37	.05	.05	....	.10	.44	....	....	....	....	....	....	.24	....	....	....	....	....	.02	.12	....	2.72
Lynch [near]	C	....	....	.36	.39	....	....	.14	.16	.75	.31	.25	.25	.88	....	....	....	....	....	....	....	.47	....	....	....	....	....	....	.02	T	....	3.99
Maysville, Dam 33 [2]	O	T.	....	3.08	.22	.05	....	.66	.60	.25	.24	.40	.09	.03	.70	.59	.01	....	....	....	....	....	....	....	....	....	....	....	.24	.03	....	7.22
Middlesboro	C	....	.41	.05	.67	....	....	....	.15	.23	.43	....	....	....	.69	.03	....	.21	....	....	....	.22	....	....	....	.05	.10	.12	.16	....	3.43
Mount Sterling	L	....	1.12	.11	....	....	.15	....	.67	.53	.24	.01	....	.13	.34	....	.01	....	....	....	....	....	....	....	....	....	....	.38	.06	....	....	3.78
Oneida [1]	K	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oneonta Dam 35 [2]	O	....	.73	2.05	.37	.02	....	.70	.12	.67	.08	.79	.30	.46	.09	.25	.16	....	....	....	....	....	....	....	....	....	....	....	....	.47	....	7.26
Paintsville [2]	B	....	....	.87	T.	.14	....	.02	.12	.55	.17	....	.05	.31	T.	.21	T.	....	....	....	....	.03	....	....	....	....	....	....	T.	.35	....	2.82
Pikeville	B	....	.61	.29	.15	T.	T.	2.12	.32	.33	.02	....	.94	.27	.78	.01	....	....	....	....	....	.02	....	....	....	....	....	T.	.02	.02	....	5.90
Pippapass	K	.04	.15	.88	.98	.09	....	....	.42	.47	.40	.02	.81	.18	.47	.03	....	....	....	....	....	.23	....	....	....	....	....	....	.98	.02	....	6.17
Quicksand [2]	K	....	....	1.05	....	.08	....	.11	.08	.72	....	.21	.17	.40	.24	.14	....	....	....	....	.21	....	.11	....	....	....	....	....	.52	.57	....	4.61
Ravenna, Lock No. 12 [2]	K	....	....	1.17	....	.07	....	.51	....	1.05	.09	.42	T.	.04	T.	.88	....	....	....	....	....	.05	....	....	....	....	....	....	.06	.14	....	3.87
Richmond [2]	K	....	....	1.80	....	.03	....	.40	.10	1.55	.12	.10	....	.02	.05	.08	.05	....	....	....	....	.05	....	....	....	....	....	....	....	.20	....	4.05
Valley View, Lock No. 9 [2]	K	....	....	.88	.02	....	....	....	T	1.98	.12	.21	....	....	.15	.08	....	....	....	....	....	....	....	....	....	....	....	.29	.02	....	3.75
Vanceburg, Dam No. 32 [2]	O	....	.08	.84	.14	.22	....	.43	.08	T.	.34	.36	.74	T.	.60	.16	.17	....	....	....	....	....	....	....	....	....	....	....	T.	.53	....	4.67
Williamsburg [2]	L	....	....	.16	.14	....	....	.26	.13	....	3.10	.35	.40	.36	3.04	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.28	....	8.17
Willow, Lock No. 13 [2]	K	....	.86	....	.04	....	.71	....	....	.88	.31	....	....	....	....	.31	....	....	....	....	....	.05	....	....	....	....	....	....	.18	....	....	3.42
Winchester	K	....	.67	.02	.02	....	.21	....	.48	.73	.28	.05	....	.22	.28	.02	....	....	....	....	....	....	....	....	....	....	....	....	.56	....	....	3.84

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi. //Rain gages have windshields.

Daily Temperatures for June, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	89	91	86	74	83	88	85	92	90	83	85	86	82	79	77	75	80	84	89	92	93	93	92	94	92	96	98	96	94	98	..	87.9
	Minimum	66	65	68	62	52	50	63	64	67	67	68	68	61	54	56	50	48	47	53	59	65	62	63	62	64	59	67	69	71	70	..	61.3
Calhoun	Maximum	90	89	85	78	86	88	87	93	93	87	85	83	84	82	79	79	85	88	93	99	93	99	97	97	98	99	101	97	97	103	..	90.6
	Minimum	68	67	67	63	58	53	65	65	67	67	69	66	58	55	56	50	49	46	64	59	65	62	64	64	68	68	67	71	71	72	..	62.3
Earlington	Maximum	89	89	86	76	85	91	89	96	96	89	86	89	85	82	81	81	85	90	94	98	98	99	96	94	95	100	102	97	100	103	..	91.3
	Minimum	70	69	69	67	62	54	66	68	69	69	70	68	61	55	59	52	49	46	53	58	66	64	64	64	67	63	63	71	74	75	..	63.0
Greenville	Maximum	87	90	84	75	83	91	89	90	90	85	84	85	85	80	79	76	80	85	90	95	94	94	90	92	92	94	98	94	96	98	..	88.3
	Minimum	67	65	66	61	54	52	63	63	65	67	68	67	56	54	55	51	49	46	58	67	65	62	63	62	65	60	67	68	71	71	..	61.1
Henderson	Maximum	87	89	84	78	83	86	87	94	82	88	80	85	77	80	78	81	83	89	92	98	94	98	97	98	97	102	99	94	96	98	..	89.3
	Minimum	67	66	68	62	54	54	67	68	68	67	69	65	60	59	55	51	49	47	56	58	65	64	65	64	68	64	71	69	71	74	..	62.8
Hopkinsville	Maximum	84	88	83	75	82	87	85	90	91	87	88	85	83	81	78	77	80	85	92	93	88	94	91	92	92	96	100	98	98	99	..	88.1
	Minimum	66	66	67	65	55	54	62	66	67	68	69	67	60	55	54	52	54	48	56	62	71	58	62	51	64	68	68	75	62	61	..	61.1
Lovelaceville	Maximum	88	88	86	82	84	90	86	93	93	87	87	89	81	80	84	85	87	88	95	97	98	98	94	97	97	99	97	93	98	99	..	90.5
	Minimum	64	68	69	65	66	57	71	67	71	71	69	58	57	55	52	50	52	48	54	59	77	74	75	78	77	79	76	75	78	79	..	66.4
Mayfield	Maximum	86	86	86	83	84	90	87	94	94	84	86	89	83	83	81	82	83	85	93	97	95	95	94	97	97	99	99	93	99	100	..	90.2
	Minimum	66	67	69	65	60	60	73	68	72	71	70	64	61	58	55	54	53	53	59	63	66	66	64	66	70	70	70	72	73	72	..	65.0
Murray	Maximum	83	85	86	83	83	88	87	90	91	85	83	84	81	82	81	80	82	87	92	94	93	93	91	93	95	96	97	92	96	98	..	88.3
	Minimum	69	67	68	65	60	59	70	69	70	70	72	68	62	56	62	61	55	52	63	64	69	69	69	68	65	70	72	71	73	73	..	66.2
Owensboro	Maximum	84	88	83	76	83	85	85	91	90	84	83	84	79	77	76	76	81	85	89	94	95	95	92	94	94	96	97	93	94	96	..	86.9
	Minimum	65	67	67	61	56	55	65	64	67	66	67	65	60	55	58	60	56	56	60	60	65	62	65	64	68	62	63	69	71	70	..	62.3
Paducah (near)	Maximum	85	83	83	79	83	87	85	93	92	89	82	86	83	79	76	77	81	85	92	91	95	90	92	93	94	97	96	90	94	93	..	87.3
	Minimum	62	68	70	65	59	61	72	69	72	72	72	66	61	59	60	57	56	54	59	63	68	69	68	69	74	71	69	72	74	74	..	66.2
Princeton	Maximum	87	85	87	80	83	87	87	92	93	85	84	87	87	82	81	80	82	84	93	96	97	97	93	96	95	100	100	95	101	102	..	90.0
	Minimum	68	67	69	63	56	56	70	68	70	70	71	67	63	56	57	51	51	49	57	61	67	66	65	65	72	67	72	72	74	78	..	64.4
Russellville§§	Maximum	92	95	94	75	83	89	89	92	95	92	85	87	83	83	84	79	80	85	90	96	95	95	92	92	92	96	99	103	96	94	..	90.1
	Minimum	66	65	66	66	53	51	63	65	68	66	67	66	68	55	55	56	44	52	54	62	64	61	65	63	66	62	69	71	71	88	..	62.9
Central Division.																																	
Anchorage	Maximum	88	88	87	74	80	83	86	86	81	77	79	82	77	78	72	71	75	80	83	87	90	88	87	88	88	91	91	92	87	91	..	83.4
	Minimum	66	66	63	60	53	63	64	65	66	66	67	66	65	55	56	50	48	52	56	58	62	73	64	66	64	66	67	67	67	69	..	62.0
Bowling Green	Maximum	94	94	86	82	85	92	87	87	89	85	85	87	82	82	79	80	83	88	92	94	94	92	95	96	97	99	94	99	101	..	89.8
	Minimum	69	69	68	60	58	59	66	67	71	69	68	69	67	59	59	57	57	56	60	63	68	69	70	69	68	69	74	74	73	75	..	66.0
Clermont	Maximum	89	89	91	86	89	89	84	83	90	91	86	81	83	86	81	79	74	74	79	89	89	93	93	91	91	92	91	94	95	93	89	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Danville	Maximum	90	88	84	75	80	85	88	87	83	82	77	86	80	80	76	71	77	82	86	92	91	92	88	89	89	92	93	95	90	95	..	85.4
	Minimum	65	64	65	60	55	52	62	66	64	63	61	66	63	55	60	56	50	55	57	57	65	64	68	64	59	64	66	69	68	58	..	61.4
Dix Dam	Maximum	90	87	86	78	83	87	89	89	84	81	78	86	82	81	75	76	79	85	89	93	93	94	91	91	90	93	96	97	89	97	..	86.8
	Minimum	71	66	67	61	56	53	64	68	66	65	69	68	67	57	60	54	55	54	56	59	66	66	70	66	61	67	67	69	70	72	..	63.6
Eubank	Maximum	90	82	84	80	82	87	89	89	84	77	84	80	80	76	74	78	86	89	92	91	88	88	90	91	94	96	94	97	92	..	..	86.4
	Minimum	67	63	61	59	62	48	61	67	62	63	66	64	64	56	54	47	47	72	72	58	64	64	67	62	57	67	63	67	70	68	..	62.1
Frankfort	Maximum	89	90	86	75	85	87	89	92	86	82	80	85	80	79	75	75	81	86	89	94	93	92	92	90	90	94	99	95	90	98	..	87.3
	Minimum	67	65	67	60	54	52	59	65	67	65	66	67	65	58	56	55	52	52	55	56	61	64	66	64	58	62	65	67	68	71	..	61.6
Glasgow	Maximum	88	90	86	80	82	86	85	86	87	84	80	86	83	81	81	76	79	84	89	92	91	89	89	93	82	93	96	95	91	94	..	86.2
	Minimum	69	65	68	65	58	53	69	68	68	68	69	65	57	62	59	52	51	55	59	66	64	65	63	61	66	69	72	72	71	..	..	63.4
Greensburg	Maximum	89	89	87	79	81	87	85	90	87	86	78	82	82	81	72	74	79	79	88	92	90	86	86	92	89	91	91	91	92	95	..	85.7
	Minimum	66	64	65	60	61	50	60	62	64	63	64	65	63	58	58	49	50	48	52	55	58	62	66	63	58	64	65	66	66	68	..	60.1
Irvington	Maximum	89	88	86	72	83	90	86	91	91	90	85	85	82	79	74	75	80	85	90	95	94	92	90	92	91	96	96	96	91	95	..	87.6
	Minimum	65	66	67	60	58	51	65	64	67	66	67	65	61	55	56	52	49	50	55	59	64	61	64	63	63	68	67	68	70	69	..	61.2
Leitchfield	Maximum	89	90	86	77	81	87	87	88	91	86	84	85	81	80	76	75	78	83	88	92	93	94	90	92	90	92	95	94	90	94	..	86.8
	Minimum	66	67	68	62	53	54	54	65	68	66	67	67	65	56	56	52	52	53	53	63	68	65	66	65	64	68	70	72	70	72	..	62.8
Lexington	Maximum	88	89	85	71	81	85	88	90	85	83	76	86	81	79	74	70	77	83	88	93	93	98	89	91	91	91	97	96	87	97	..	85.9
	Minimum	68	66	67	57	55	55	63	66	65	64	66	66	60	56	56	55	52	53	58	63	68	67	69	67	64	69	70	71	70	70	..	63.2
Louisville	Maximum	88	87	85	71	81	85	85	87	82	79	80	84	79	75	74	72	77	81	86	91	92	90	88	90	90	92	95	92	90	93	..	84.7
	Minimum	72	71	70	62	60	61	64	68	67	68	69	68	64	60	59	56	54	58	63	65	71	70	72	71	67	70	73	72	72	73	..	66.5
Do. Bowman Field	Maximum	89	90	85	70	82	86	85	84	84	78	79	81	81	79	76	75	78	78	83	88	91	93	90	89	91	91	93	94	93	90	93	..
	Minimum	69	70	70	60	57	56	66	66	67	67	69	67	63	57	58	58	51	54	59	61	66	65	67	65	65	66	71	71	71	72	..	64.0
Mammoth Cave	Maximum	89	89	85	69	81	86	88	87	90	86	83	85	81	80	76	74	77	81	88	91	90	90	89	90	90	91	94	92	92	95	..	86.0
	Minimum	66	62	66	65	60	48	61	64	65	64	66	67	66	61	58	58	48	46	51	55	61	60	62	62	59	61	68	70	70	69	..	60.3
St. John	Maximum	88	88	84	77	81	84	86	89	83	84	82	84	79	77	76	75	77	83	86	91	91	91	87	91	90	92	96	93	90	95	..	85.7
	Minimum	66	64	68	65	56	52	63	62	65	67	65	66	63	63	63	57	54	50	53	57	64	61	62	62	63	63	65	65	70	69	..	61.9
Shelbyville	Maximum	91	90	85	77	82	85	87	89	85	78	79	84	78	77	74	74	78	77	82	85	90	91	92	90	90	88	93	96	94	97	..	86.4
	Minimum	64	63	65	57	52	51	60	62	63	63	64	62	60	58	53	49	47	50	54	56	61	63	64	63	58	62	64	65	67	69	..	59.5
Smith's Grove	Maximum	90	95	88	70	82	86	81	86	91	88	86	87	82	82	78	77	80	86	91	95	94	93	92	92	90	94	97	94	96	99	..	88.1
	Minimum	66	68	65	59	56	57	69	67	66	66	69	68	60	53	57	57	49	48	57	62	65	67	66	67	64	72	72	70	70	71	..	63.4
Stearns	Maximum	90	87	84	74	77	85	86	85	80	81	78	76	74	77	77	81	88	88	89	92	92	86	87	89	90	92	87	89	90	92	..	85.5
	Minimum	65	67	63	59	54	53	61	65	64	68	64	64	63	60	58	53	50	51	56	59	64	65	66	64	63	68	66	67	68	68	..	61.7
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Williamstown	Maximum	89	87	85	75	79	83	89	88	81	75	77	85	82	77	75	71	75	80	87	90	88	90	89	86	87	92	94	94	89	95	..	84.5
	Minimum	68	67	65	65	55	59	62	64	59	66	62	65	65	58	56	53	47	56	61	63	68	70	68	69	63	67	70	71	70	72	..	63.4
Eastern Division.																																	
Annville	Maximum	89	90	86	76	80	85	90	88	82	81	76	85	81	80	74	74	76	83	87	90	91	86	87	89	90	91	93	92	94	95	..	85.4
	Minimum	67	58	65	58	49	41	54	64	59	60	65	64	61	68	59	45	48	47	50	52	58	58	57	56	58	62	60	63	66	66	..	58.0
Ashland	Maximum	89	85	85	79	82	85	92	92	84	76	74	88	83	82	75	68	76	84	88	89	90	91	89	89	90	94	95	98	94	98	..	86.1
	Minimum	66	67	68	66	60	51	57	68	66	61	61	68	67	58	60	59	53	54	56	58	60	62	69	66	63	62	66	69	68	75	62	62.6
Berea	Maximum	89	89	85	78	79	83	88	87	88	83	84	86	85	80	77	75	77	85	86	91	92	91	89	91	90	91	94	94	93	97	..	86.0
	Minimum	63	64	64	60	53	55	52	66	64	63	65	63	66	58	59	59	51	53	52	60	62	65	64	65	61	69	67	72	70	71	..	62.5
Farmers	Maximum	87	75	71	69	80	85	72	87	79	70	73	76	79	64	66	65	77	80	88	90	80	87	79	88	90	89	95	96	83	94	..	80.7
	Minimum	67	65	69	63	54	48	52	64	65	65	64	69	66	55	54	57	53	56	52	54	59	63	68	63	57	62	62	66	67	69	..	60.7
Heidelberg	Maximum	90	88	85	77	82	88	89	89	84	84	80	86	82	80	79	77	78	81	90	93	94	89	86	90	91	93	95	96	87	97	..	86.8
	Minimum	65	63	67	68	52	49	55	67	64	64	68	65	68	59	61	53	52	50	53	55	60	62	68	66	60	68	63	68	66	66	70	61.1
Lynch [near]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Minimum	40	48	53	40	45	47	52	54	58	58	57	56	51	49	45	46	47	57	54	55	60	57	56	58	59	56	60	49	50	61	..	62.7
Maysville	Maximum	90	81	85	77	80	85	89	87	80	75	78	75	80	74	71	69	77	84	86	90	88	90	90	87	88	92	94	96	87	96	..	83.9
	Minimum	69	67	67	61	60	52	59	66	67	63	63	68	65	58	58	58	56	58	61	66	68	65	59	62	65	67	69	72	..	..	..	62.2
Middlesboro	Maximum	97	95	94	91	82	93	95	95	85	87	95	95	91	85	90	86	93	92	97	90	..	90	95	95	94	95	91	95	96	..	..	93.1
	Minimum	64	63	66	65	55	52	54	67	64	65	65	64	64	61	58	52	51	50	55	67	60	64	64	70	66	62	66	68	65	68	69	61.1
Mount Sterling	Maximum	90	89	84	74	81	86	89	90	82	80	74	87	83	81	78	68	78	86	90	93	93	93	91	91	94	95	96	96	94	..	..	86.5
	Minimum	68	66	67	49	56	52	61	66	66	65	65	67	67	56	57	55	50	55	67	60	64	64	70	66	62	66	66	70	68	72	..	62.5
Pikeville	Maximum	92	94	90	78	82	88	93	88	83	81	80	90	83	81	76	76	78	86	90	94	92	92	82	93	94	93	97	97	95	99	..	87.9
	Minimum	63	63	67	61	52	53	55	65	63	67	66	65	61	60	57	57	54	54	56	59	60	65	63	63	60	62	62	63	66	69	..	61.3
Pippapass	Maximum	96	94	91	85	81	87	91	87	88	84	80	88	82	77	72	74	75	80	89	89	92	93	85	88	90	92	93	95	96	98	94	86.8
	Minimum	62	45	61	66	68	49	59	59	63	61	67	64	62	59	59	54	55	51	52	56	59	63	67	65	61	59	61	64	66	68	..	59.6
Quicksand	Maximum	89	90	86	75	81	88	91	88	83	82	81	86	80	81	73	72	77	85	89	93	95	93	81	89	92	92	95	96	86	95	..	86.1
	Minimum	66	62	68	62	55	51	56	67	64	65	68	66	63	60	60	55	54	52	54	57	60	62	67	67	60	63	68	68	68	68	..	61.6
Richmond	Maximum	86	85	80	72	80	82	86	86	80	77	77	82	80	78	72	72	73	80	84	90	90	90	91	87	84	90	93	93	84	93	..	83.2
	Minimum	70	68	67	67	57	68	68	68	68	66	68	67	67	60	62	56	54	58	62	64	68	70	70	68	65	70	70	73	72	77	..	66.1
Williamsburg	Maximum	89	90	87	76	79	88	89	96	90	85	80	85	88	83	79	78	76	82	88	90	90	91	87	84	89	90	91	93	90	92	..	86.2
	Minimum	56	65	67	61	54	51	69	67	65	66	65	64	64	63	60	66	64	51	56	58	62	64	70	64	61	64	65	68	69	70	..	63.1
Winchester	Maximum	90	87	85	74	81	88	91	89	92	80	74	84	79	79	74	70	76	82	87	91	93	90	89	91	91	92	95	95	88	96	..	85.8
	Minimum	68	66	66	61	55	53	63	67	65	61	65	67	66	58	59	56	58	56	59	62	66	68	70	67	61	70	67	71	69	70	..	63.6

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*,**,*** etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville, 7-27-41 1100

Nat. Meat Lib.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., JULY, 1941 No. 7

GENERAL SUMMARY.

Moderate to heavy rains occurred in most southern, central and eastern districts during the first half of the month; and again in the central and eastern counties in the third week. These rains followed about two weeks of dry weather, and were decidedly beneficial to crops and pastures. Some eastern localities received such continuous rain as to interfere with cultivation of late crops. Some extreme northern counties of the lower valleys of the Kentucky and Licking, also most districts from the lower Green River Valley westward, had only light showers during the last three weeks. Toward the end upland crops and pastures in these areas suffered from the effects of heat and moisture deficiency; but lowland crops remained generally good. In the extreme western counties all vegetation was deteriorating when the month ended. Temperatures below normal in the second decade favored crops in the limited dry districts, but were too low at night for the best development of corn. High temperatures in the last week promoted rapid growth of all crops in the moist areas, which included most of the State; but hastened deterioration in the extreme western dry section. Corn improved in most of the State and tasseled under favorable conditions of moisture and temperature. Tobacco grew more rapidly than normal following the rains. Much of the early setting was nearly mature at the end of the month. The disease known as root rot became worse in some eastern sections on account of wet weather. Late tobacco improved rapidly in most of the State, but remained irregular in the western dry sections. Improvement in young forage crops and soybeans continued generally. Gardens and field tomatoes also made good progress. The heat caused considerable sunscald of ripening tomatoes. Late potatoes were planted when the temperature was relatively low and the soil moist. They came up to good stands. Except for irregularity on western uplands, pastures remained better than usual in this month. Some recharge of subsoil occurred in central and eastern districts, but not enough to affect wells and springs to any marked degree. The flushing of surface streams and partial replenishment of ponds and cisterns relieved the water shortage temporarily; but in much of the State, especially upland regions westward, hauling of water for livestock and domestic use was increasing at the end.

TEMPERATURE.

Temperatures averaged somewhat above normal in the moist sections and considerably above in the dry districts, due mainly to the hot weather at the beginning and in the last week. The warmest days occurred in the periods 1st, and 26-30th. Temperatures from the 3d to 23d were usually not far from the seasonal average. Relatively low maxima occurred in the first two decades in the districts visited by rains. The weather was quite cool on the 4-6th, 13th, 17th, and from the 15th to the 21st. Extremes for the State were 106 on the 2d at Earlington and 51° on the 21st at Farmers.

PRECIPITATION.

Precipitation averaged about 35 per cent more than normal for this month. In general it was comparatively light along the Ohio River from Ballard to Pendleton County where it ranged from 2.0 to 4.0 inches. It increased somewhat irregularly toward the southeast, reaching a maximum of 10.0 to 12.0 inches in Estill and Whitley counties. A broad belt from the southern Purchase to the northeastern counties and the Big Sandy Valley received from 4.0 to 7.0 inches. Some stations in the mountain region reported 8.0 to 9.5 inches. The range for the State was between 2.05 inches at Loyhaceville and 17.13 inches at Lynch (near).

By far the greater part of the rain fell in the period 2d-19th, when measurable amounts were reported from some section of the State every day. After this rainy period, there were only scattered showers, mainly on the 28th, 29th, and 31st. Heavy rains fell quite generally on the 3d-4th and locally in southern districts on the 11-12th. The rains were moderate to heavy in southern and eastern counties on the 19th. Other days in the rainy interval had light to moderate shwers, with an occasional local heavy rain. Days with thunderstorms were: 1, 2, 3, 4, 7, 9, 10, 11, 12, 16, 18, 24, 28, 29, 30, 31.

MISCELLANEOUS.

July 2.—A boy was killed by lightning while riding a bicycle near Lawrenceburg and Louisville.

July 12.—Three caddies were killed by lightning on golf links at Louisville. All of them were carrying bags of steel-shafted clubs. Two caddies that had laid down their clubs were shocked. Two players were also shocked.

July 19.—About 100 families were driven from their homes and damage to lowland crops was caused by flash floods in Rowan County. Downtown stores in Elizabethtown were flooded with damages estimated at $25,000. Telephone and electric service was interrupted and roads were inundated in Bourbon and Scott Counties.

Rivers. Headwater streams rose sharply following the rains of the first week. A moderate swell resulted in the Ohio.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av., hourly velocity.	Maximum velocity.	Direction.	Date.	Relative Humidity 6:30 a. m.	12:30 p. m.	6:30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.94	30.17	20	29.69	18	6.0	24	sw.	13	83	56	..	77
Cincinnati ..... Ohio	29.97	30.21	21	29.63	18	5.6	21	sw.	18	80	46	62	71
Evansville ..... Ind.	29.95	30.16	20	29.65	18	6.0	40	nw.	18	85	56	65	77
Louisville ..... Ky.	29.96	30.19	21	29.65	18	7.0	28	nw.	16	86	52	60	77

COMPARATIVE DATA FOR JULY.

Year.	Temperature. Mean.	Highest.	Lowest	Precipitation Average	Average snowfall	Number of days Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	75.1	98	50	5.62	..	..	..	..	..
1890	73.0	101	44	2.66	..	..	..	..	..
1891	74.0	91	47	4.08	..	..	..	..	..
1892	76.5	100	48	3.30	..	..	..	..	..
1893	78.8	101	50	3.48	..	..	..	..	..
1894	76.2	105	43	2.93	..	..	..	..	..
1895	75.2	99	49	5.75	..	9	10	13	8
1896	77.4	103	47	7.44	0	11	11	12	8
1897	77.8	107	50	4.79	0	10	14	11	6
1898	77.8	102	48	4.71	0	11	13	13	5
1899	77.3	100	47	3.78	0	9	15	10	6
1900	77.9	101	50	4.91	0	11	15	11	5
1901	81.7	112	48	1.72	0	6	21	7	3
1902	78.1	107	48	1.91	0	6	19	9	3
1903	77.5	104	49	3.53	0	8	17	9	5
1904	75.2	99	46	3.40	0	10	16	9	6
1905	75.9	102	52	5.93	0	18	14	9	8
1906	75.2	100	51	6.02	0	11	14	9	8
1907	78.1	102	40	4.71	0	9	18	8	5
1908	76.9	100	50	3.94	0	10	16	8	7
1909	74.8	99	48	6.01	0	11	14	9	8
1910	75.2	96	51	8.63	0	16	10	9	12
1911	75.8	105	42	2.28	0	7	16	8	7
1912	76.8	100	53	5.50	0	12	18	10	8
1913	79.9	109	48	2.61	0	7	17	10	4
1914	78.8	109	43	3.20	0	6	17	9	5
1915	75.7	102	49	5.30	0	11	14	11	6
1916	78.6	102	52	4.17	0	9	17	9	5
1917	75.3	100	50	4.38	0	11	12	10	9
1918	73.8	103	46	3.28	0	8	15	9	7
1919	79.5	104	50	2.10	0	6	20	8	3
1920	75.2	99	44	3.83	0	9	16	9	6
1921	81.1	106	52	2.65	0	7	17	10	4
1922	76.4	102	47	4.77	0	9	17	9	5
1923	76.8	99	44	3.59	0	8	17	9	5
1924	73.8	99	45	3.63	0	8	18	8	5
1925	76.7	105	46	3.93	0	9	15	10	6
1926	77.6	107	43	4.36	0	9	16	9	6
1927	75.7	101	45	3.71	0	9	17	9	5
1928	77.0	100	50	4.07	0	8	17	10	4
1929	76.7	101	46	3.97	0	9	16	10	5
1930	80.5	114	45	1.25	0	5	21	7	3
1931	79.0	104	51	3.85	0	8	18	8	5
1932	78.5	103	49	4.31	0	8	19	7	5
1933	77.0	106	47	6.05	0	10	15	8	8
1934	81.2	110	7	4.34	0	10	15	10	6
1935	78.8	103	6	5.16	0	10	16	10	5
1936	81.4	113	46	3.78	0	10	15	10	6
1937	75.6	102	41	3.04	0	7	17	10	4
1938	77.2	100	52	7.27	0	11	13	9	9
1939	76.5	102	50	4.83	0	9	15	11	5
1940	75.5	102	46	2.68	0	7	14	10	7
1941	76.5	106	51	5.71	0	9	13	11	7
Period †	77.1	114	40	4.19	0	9	16	9	6

†53-year averages.

Climatological Data for July, 1941.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	29	77.8	0.0	101	1	57	20	32	6.22	+2.24	2.70	0	9	11	12	8	s.	Eldred G. Young.
Calhoun	McLean	437	37	79.6	+ 1.2	[b]104	2	[b]59	12	32	5.45	+1.95	2.81	0	8	16	6	9	.....	K. C. Bennett.
Earlington	Hopkins	420	47	80.8	+ 1.9	106	2	59	17	34	7.78	+4.28	2.66	0	8	21	5	5	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	4.54	+1.32	2.01	0	8	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	4.27	.....	1.39	0	14	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	78.4	+ 0.4	100	1†	57	20	32	6.58	+2.83	1.40	0	10	19	9	3	s.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	4.93	.....	0.93	0	10	15	12	4	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	79.6	.....	102	2	58	17	32	7.04	+3.85	1.85	0	8	17	12	2	sw.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	78.7	− 0.4	101	1	60	16†	32	7.02	+3.29	2.58	0	10	16	12	3	s.	W. K. Morris.
Loyclaceville	Ballard	479	12	82.8	+ 3.0	103	31	58	17	35	2.05	−3.33	1.25	0	3	20	9	2	s.	Blaine Malone.
Mayfield	Graves	364	32	80.8	+ 1.9	103	2	62	17	29	6.55	+3.01	2.43	0	7	19	9	3	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	80.2	+ 0.8	99	1†	65	4†	26	4.90	+1.57	3.21	0	4	4	15	12	s.	Ralph B. Wear.
Owensboro	Daviess	420	44	78.0	+ 0.2	100	2	59	20	29	3.76	+0.78	0.87	0	6	17	3	11	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	3.66	+1.35	0.86	0	8	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	81.4	+ 0.1	101	2	63	17	27	2.28	−1.20	1.91	0	7	19	10	2	.....	Joe Lagore.*
Princeton	Caldwell	529	34	[a]80.3	+ 1.7	104	1†	61[b]	17†	30[b]	5.52	+1.68	2.58	0	8	15	9	7	s.	S. J. Lowry.
Rumsey, Lock 2	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	4.96	+1.88	2.47	0	7	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	580	28	79.0	+ 0.8	105	1	59	21	33	4.66	+0.39	1.78	0	9	17	4	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	3.97	+0.80	1.38	0	7	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	352	13	.....	.....	.....	.....	.....	.....	.....	6.54	+3.46	2.96	0	8	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	76.2	− 0.1	97	30	56	22	28	4.11	+0.01	1.85	0	11	20	10	1	sw.	C. E. Barret.
Bowling Green	Warren	500	45	80.6	+ 1.3	102	1	63	20	26	7.39	+3.41	2.40	0	10	14	1	16	w.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	6.69	+3.29	3.53	0	10	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	7.45	+2.94	1.69	0	13	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	4.03	−0.68	1.46	0	6	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	471	3	.....	.....	99	81	.....	.....	.....	3.93	.....	1.45	0	8	21	9	1	sw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	2.19	−1.69	0.60	0	8	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	935	17	76.6	.....	97	1	54	22	31	6.75	+2.09	2.10	0	10	18	9	4	sw.	W. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	79.2	+ 1.4	100	1	56	22	29	3.68	−0.25	0.95	0	11	8	19	4	se.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	8.52	.....	2.68	0	11	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	77.0	+ 1.9	96	26†	53	22	35	6.40	+2.24	2.25	0	8	11	13	7	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	77.9	+ 0.7	99	26†	54	21	32	5.14	+1.18	1.84	0	10	18	10	3	w.	Lockmaster.
Gest, Lock 8	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	3.78	−0.23	2.24	0	7	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	[a]77.4	− 1.8	96[c]	1†	58[c]	22	33[c]	5.72	+1.19	2.76	0	13	10	19	2	e.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	2.76	−0.81	1.29	0	5	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	77.0	+ 0.4	95	1†	55	22	31	7.72	+3.88	3.40	0	13	6	0	25	sw.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	3.46	−0.59	0.96	0	9	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	78.0	+ 0.4	100	27	58	20†	34	3.88	+0.76	1.88	0	9	11	12	8	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	3.79	.....	1.02	0	9	22	4	5	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	5.59	+1.20	2.32	0	10	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	78.1	+ 1.0	97	1†	57	19	31	2.95	−0.71	1.10	0	8	8	13	10	sw.	D. Lem Hughes.
Lexington	Fayette	989	57	78.0	+ 2.1	98	1†	57	21	32	7.31	+3.09	1.92	0	14	16	13	2	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	5.33	+2.66	3.50	0	7	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	3.32	−0.26	2.04	0	5	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	79.0	+ 0.4	97	30	61	21	24	2.86	−1.34	0.71	0	11	15	13	3	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	78.6	.....	100	27	60	22	34	3.30	.....	1.55	0	12	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	76.0	.....	98	1	55	20†	38	7.67	.....	4.88	0	10	9	15	7	sw.	Ivan J. Ellsworth.
Monticello	Wayne	916	3	.....	.....	.....	.....	.....	.....	.....	10.41	.....	4.00	0	10	12	10	9	.....	C. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	7.87	+5.85	4.08	0	10	.....	.....	.....	.....	Chester Williams.
St. John	Hardin	777	45	76.6	+ 0.2	98	30	56	20	32	3.64	+0.31	2.42	0	8	11	11	9	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	3.51	−0.29	1.04	0	9	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	76.6	− 0.2	100	27	52	21	37	1.96	−1.87	1.10	0	8	16	0	15	s.	Willa S. Ratta.
Smith's Grove	Warren	607	3	[a]78.3	.....	100	1	59[d]	22	31[d]	3.76	.....	2.05	0	7	1	17	13	...	C. W. Guernsey.
Stearns	McCreary	1400	5	76.0	.....	91	31	58	20	29	8.40	.....	3.43	0	9	4	18	9	sw.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	2.87	−1.31	1.05	0	10	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	77.9	+ 1.7	98	1†	56	21	28	3.42	−0.14	1.17	0	10	25	1	5	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	6.70	+3.23	2.22	0	10	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	[a]76.2	.....	96[c]	27	53[c]	22	33[c]	3.01	.....	1.30	0	6	11	7	13	nw.	W. A. Worthington.
Ashland	Boyd	534	24	77.5	− 1.0	101	1	54	21	32	6.08	+1.89	1.87	0	9	13	12	6	w.	Lockmaster.
Berea	Madison	1070	38	77.4	+ 1.1	98	1	55	22	33	6.65	+1.81	2.78	0	12	9	16	6	s.	Luther M. Ambros.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	4.83	+0.77	0.99	0	8	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	4.48	+1.98	3.04	0	5	.....	.....	.....	.....	S. M. Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	3.64	−0.01	0.95	0	8	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	75.8	+ 0.7	97	1†	51	21	34	5.55	+1.17	1.00	0	14	9	16	6	w.	Lucille C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	7.45	+3.76	4.81	0	9	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	3.22	−1.58	1.08	0	9	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	99	1	57	22	32	7.10	+2.89	1.41	0	11	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	6.66	+2.31	1.10	0	11	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	6.93	+1.89	2.00	0	10	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	78.1	.....	98	1†	56	22	39	9.40	+4.62	1.92	0	10	9	8	14	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	6.16	.....	1.96	0	9	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1506	15	.....	.....	.....	.....	.....	.....	.....	6.89	+2.59	1.60	0	12	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	7.50	+3.95	1.89	0	12	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	[a]67.7	.....	95[c]	3	54[a]	8†	33[c]	17.13	.....	3.00	0	18	6	11	14	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	77.2	+ 0.4	97	1†	56	21	30	4.81	+0.49	1.45	0	10	9	16	6	s.	Lockmaster.
Middlesboro	Bell	1128	42	79.0	+ 3.7	98	1†	60	21†	28	9.94	+5.04	3.60	0	15	14	16	1	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	78.6	+ 2.6	98	27	56	21†	27	3.92	−0.91	0.79	0	12	18	12	1	sw.	W. R. McKee.
Onolda	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	4.03	−0.22	1.75	0	8	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	9.71	.....	3.10	0	10	.....	.....	.....	.....	E. C. Fraley.
Pikeville	Pike	636	5	79.0	.....	100	1	60	21†	31	5.75	+1.53	1.18	0	14	2	20	9	se.	U. S Weather Bureau.
Pippapass	Knott	1035	11	77.6	.....	99	1	57	22	32	6.72	.....	1.42	0	12	6	15	10	w.	Cenev Ann Com. Cen.
Quicksand	Breathitt	732	15	[a]78.1	+ 1.5	99[a]	27	57[a]	21	28[a]	6.65	+1.22	1.76	0	9	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	6.72	+2.15	1.80	0	12	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	77.7	+ 0.8	94	1†	60	22	19	4.50	+0.48	1.30	0	9	15	7	9	.....	I. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	3.58	−0.51	0.92	0	11	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	7.51	+2.79	2.01	0	8	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	930	44	77.4	+ 0.2	95	1	52	18	38	13.15	.....	4.45	0	11	14	11	6	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	7.87	+3.05	2.00	0	11	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	77.2	.....	98	1	58	21†	31	3.71	.....	1.05	0	13	0	26	5	.....	Airway Station.
State averages and extremes		.....	..	76.5	− 0.6	106	2	51	21	39	5.71	+1.52	4.88	0	9	13	11	7	s	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Errata: May 1740—Addison, 1.00 inch precipitation on the 11th should be omitted.

Daily Precipitation for July, 1941.

Stations	Day of month																													Total.
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.		.04	2.70	.96				.86	.03	.82	T	.41	T.						T.	.57				.83							6.22
Calhoun G.			.51	1.81						.61	.04	.37								.56				.40	.15						6.45
Darlington [3] G.			2.65	.86					.34		.15	1.90		1.46						.12					.31						7.73
Fords Ferry Dam 50[3] G.			.23	2.01	.02		T.				.02	1.83		.19						.01					.23						4.54
Gilbertsville[2] T.	.10	.03	1.39	.72		.04	.02	.25			1.06			.27	.03		.13						.02		.01	.20					4.27
Greenville G.			1.40	1.85		.05		.80	1.30	.07	1.32	.17	.05												.07						6.58
Hartford G.		.62	.98	.97		.41	T.		.57		.44	T.													.63	.01					4.03
Henderson G.			1.55	1.83			.08		1.62	.28	.41								.75						.52						7.04
Hopkinsville[3] G.			.60	2.30	.05		.05	.06		.69	2.68	.36	.30													.03						7.02
Lovelaceville M.			1.25	.50								.30																			2.05
Mayfield M.			2.48	1.83					T.		.27	1.45	.39						T.					.15	.03	T.					6.55
Murray [3] T.		T.	.75	.72							3.21	.22																			4.90
Owensboro [3] O.			.81	.81			T.			.09	.45								.73						.87						3.76
Owensboro, Dam 46 [3] O.			.64	.77	.01		T.	.01		.03	.49								.86						.85						3.66
Paducah[3] O.			.12	1.91			T	.04			.04	T.	.08						T.						.08				.01		2.28
Princeton G.			.75	.72				T.		.08	2.58	.36	.04											.01	.98						5.52
Ramsey, Lock No. 2 [3] G.			.46	2.47	.03					.49	.38	T.							.48					.65							4.96
Russellville [3] G.				1.78	.03			.22	1.08		.36	.25	.60						.33											.01	4.66
Uniontown, Dam 49[3] O.			.52	1.38	T.		.01	T.		.52	1.17								.20					.17							8.97
Central Division																																
Addison, Dam 45 [3] O.			2.96	.56	T.			.02		.02	.17		1.02						1.75						.04						6.54
Anchorage O.			.49	.58		.03	.03				.05	.06				.66		.07	.20							.09					1.85	4.11
Bowling Green [3] G.			1.03	2.40	.02			.05		20	1.75	.10	.18				T.		.80					.83							7.89
Bowling Green No. 2[3] G.			.52	2.15	.20	.02		.16	T	.18	1.62	.20	.10				T.		1.08					1.30							7.53
Brownsville [3] G.			.12	1.46	.05			.05		.13	1.20	.06	.05				.04		3.53												6.69
Burnside[3] C.			1.45	1.09	.75	.20	.08	.15	T.			T.	1.20	.36	.02	.02	.18		1.33					.02							7.45
Carrollton Lock No. 1[3] K.			.20	.21	.63								1.46				.44		1.09												4.03
Clermont S.	T.		1.10	1.45	.10	.12	.06			T.			.05				.25		.80												3.93
Cold Spring, Dam 36[3] O.		.12	.69	.47	.05												.28		.01					.22						.40	2.19
Danville[3] K.			2.10	1.66	.46		.51	1.15			.03	.04	.04				.15		.61							T.						6.75
Dix Dam, Burgin K.		.95	.95	.80	.02	.80	.40			.15		.12				.04		.40													.05	3.68
Eadsville [3] C.	.42		1.66	1.93	.60			.10				.04	.88	.09			.05		2.68										.07			8.52
Eubank C.			2.10	2.25		.75	.11	.77								.25	.03														.14	6.40
Frankfort, Lock No. 4[3] K.			.20	1.80	.06	.12	.59		.19		.82			.01			.01		1.84						T.				T.			5.14
Gest, Lock No. 3 [3] K.			T.	.69	.22		.07	.83			.11		T.						2.24						.07							8.78
Glasgow G.			.30	2.76	.24		.06	.11	.80	.09	.25	.03	.02	T.			.11		.76						.19							5.72
Grant, Dam 33[3] O.			.72	1.29	T.			T.			T.		T.				.15		.62												.58	2.76
Greensburg [2] G.		.02	.03	1.25	.42	.34		.01	.10	.02	.28	.90	.40	T.			.55		3.40													7.72
High Bridge, Lock No. 7[2] K.			.40	.96	.27	.04		.98	T.		.15		.25	.05			T.		.41													3.46
Irvington O.			1.88	.42		.02			T.		.18	.10				.04			1.22					T.								3.83
LaGrange O.		.61	.09	.65		.01					1.02					.26		.03	.88						T.						.26	3.79
Lancaster[2] K.		.87	.71	.32		.48	2.32			.02		.08				.21		.96													.12	5.59
Leitchfield [2] G.			.02	1.10				.15	.10	.06	.43					.10		T.	.99												T.	2.85
Lexington [2] K.	.06	.73	.34	.43		T.	.26	.01		1.92		1.28	.01			.16		.52						.28	1.20						.14	7.34
Little Hickman, Lock No. 8 [2] K.			1.25	.76	.50		.12	3.50			.23	.06																				6.42
Lockport, Lock No. 2 [2] K.			T.	.86	.14	.04	T	T.			.24						T.		2.04													3.32
LOUISVILLE [4] O.		.08	.41	.14		T.	.07			.04	.03	.27				.46		.14						.01	T.						.71	2.86
Do. Bowman Field O.		.33	.65	.14		.01	.02			.03	.01	.23				.18		.12							.03						1.55	3.80
Mammoth Cave[2] G.			.05	1.72	.06		T.	.06	.03	.10	.80	.12	.05				T.		4.88													7.67
Monticello [2] C.			4.00	2.93	.48	.10				.20		.10	.65						.20	1.00											.75	10.41
Munfordville [2] G.			T	1.33	.09	T.	.05	T.	.56	.10	1.15	.13	.03				.35		4.08													7.87
St. John [2] S.			.04	.95	.09					.04	.07	.01	.02						2.42													3.64
Salvisa, Lock No 6 [2] K.			.75	1.04	.16	.11	.16	.47			T.		.13	T.			.50		.19													8.51
Shelbyville [2] S.			.11	.43	.02	.03	.24				.02								1.10								T.	.01				1.96
Smith's Grove G.			2.05	.42				10	.12	.60	.44	.03	T.																			3.76
Stearns C.		.53	3.43	2.85	.40	.15		.16			T.	.08	.03	T.		T.			.77					T.						T.	8.40
Taylorsville S.																																
Tyrone, Lock No. 5 [2] K.			.40	.35	.14	.05		1.05			.85		.15				.03		.30							.05						2.87
Williamstown [2] L.				1.13	.01		.82	.10			.02		.10				.10		1.17						.42						.02	3.42
Woodbury, Lock No. 4[2] G.			1.14	1.81	.10	.03	.05	.43		.21	.46		.25						2.22													6.70
Eastern Division																																
Annville [2] C.				.73	.48	.10	T.	1.30					.20			T.	.20		T.													3.01
Ashland [2] O.			.18	.59	.77	.80	.03	.74									.48		1.12													1.37	6.08
Berea K.			1.02	1.21	.01	.09	.42	2.78			T.	.02	.11				.09	T.	.65					.04								.21	6.65
College Hill, Lock No. 11 [2] K.			.68	.66	.82		.60	.19					.99				.85		.54														4.88
Cynthiana [2] L.			T.	1.03	.16			.05											3.04													.87	4.65
Falmouth [2] L.			.09	.95	T.		.43	.47			T.		.80				.22		.65						T.							.03	3.64
Farmers [2] L.			.93	1.40	.18	.12	.61	.76			.16		.45	.03	.18		.08		.47													.17	5.55
Flemingsburg [2] L.			.72	.58	.18	.01		.87			.08	.10	.07						4.81														7.45
Ford, Lock No. 10 [2] K.			.30	1.08	.35	.10	.52	.40	T.		.11	T.	T.		.07		T.		.29							T.							3.22
Grayson [2] O.			.41	.62	.22	.99	.22	1.17					.89		.08				1.41						.10							.99	7.10
Greenup, Dam 30[2] O.			.90	.78	.16	.40	1.04	.25			.23				.29		.54		1.10													.67	6.66
Hazard [2] K.			.56	2.60	1.00	.04		.50				.30	.10	.15			.90		1.38														6.93
Heidelberg, Lock No. 14 [2] K.			1.76	.77	.72	.42	.55	1.13					1.52	.54			.55		.93														9.40
Jackson [2] K.			1.96	.76	.15	.28	.24	.91		T.		.48	.32						1.00														6.10
Jenkins [2] B.			.67	.80	1.60	.28	.43	.05				.35		.35			.39		1.03						.59		.35						6.89
Louisa [2] B.			.10	1.30	.96	.12	.41	1.19	.16				.06	.14					1.89						.31							.86	7.60
Lynch [near] C.	.22	2.16	.60	3.00	.70	1.15		1.05				1.41	.61	.28	.36	.08			1.61				.87	.31	.15		2.29				.28	17.13
Maysville, Dam 33[2] O.			.22	.35	.69	1.	.78	.17			.43		.01	.41					1.45													.96	4.81
Middlesboro C.			1.20	3.60	.55	.51	.05	.57			.40	.14	.56	.21	.09	.24			1.45						.09							.28	9.94
Mount Sterling L.		.12	.26	.79		.08	.76	.01	.01				.15			.51			.67						.54							.07	3.92
Oneida [2] K.																																
Oneonta Dam 35 [2] O.				1.75	1.65	.16		.10	.02				T.				.04		.03						T.							.28	4.03
Paintsville [2] B.			3.10	.44	1.50		.47	.67	.05				1.21			.09	T.		.92						T.							.26	9.71
Pikeville B.	.15	.13	.91	1.18	.07		.20	.27			.20	.63	.12			.46	T.	.57	.62													.24	5.75
Pippapass K.		.04	1.64	1.13	1.42		.03	.49	.23			.17	.19	T.		.19		.01	1.18													T.	6.72
Quicksand [2] K.			1.76	.90	.78	.31	.36	.82	.32				.38				T.		1.62														6.65
Ravenna, Lock No. 12 [2] K.	.09	1.32		1.03	.22	.26	.80						.83	.13	.11		.12		.67					.14	T.								6.91
Richmond [2] K.			1.30	.90	.70		.30	.50	.05				.10				.25		.40														4.50
Valley View, Lock No. 9 [2] K.		.01	.82	.91	.41	.05	.92	.19			.13		.04				.05		.20							.24							3.58
Vanceburg, Dam No. 32 [2] O.			2.61	.99	.10		.27	.05			1.40								.82													1.67	7.51
Williamsburg [2] C.		.36	4.45	3.02	2.53	.05				.50			.40		.43		.44		1.10					.05									18.38
Willow, Lock No. 13 [2] K.			2.60	.84	.38	.01	.39	.99				.06	1.81	.04			.38		.94														7.87
Winchester K.		.10	1.05	.59	T.	.61	.30	.02		.46		.01	T.	.01	.20	.01		.31												.04		3.71

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation measured with recording gage. [4] Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for July, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	101	98	88	72	83	87	91	90	87	90	90	82	84	87	90	91	87	92	86	88	88	88	89	91	89	92	96	95	92	96	97	95	89.8
	Minimum	70	71	67	66	62	66	66	67	65	66	67	68	68	66	63	62	58	63	65	57	60	61	59	68	69	67	69	69	69	71	73	65.7
Calhoun	Maximum	103	104	86	77	84	88	94	92	88	91	91	87	..	91	92	92	88	93	..	91	91	93	94	92	92	96	97	95	98	98	97	92.2
	Minimum	72	82	68	62	62	68	69	67	66	65	66	69	..	67	64	64	59	65	..	66	62	65	62	67	68	69	70	70	70	71	74	67.0
Earlington	Maximum	165	106	93	72	84	88	94	93	88	93	91	79	85	88	91	93	89	94	91	88	95	95	97	98	94	99	100	97	100	102	98	93.0
	Minimum	75	72	69	65	65	69	71	69	68	66	67	70	69	66	64	65	59	66	66	66	63	66	64	70	70	73	72	75	75	74	75	68.5
Greenville	Maximum	100	100	89	80	83	86	92	90	88	90	87	85	84	87	93	92	90	92	87	89	91	92	92	92	94	97	98	94	95	97	95	91.0
	Minimum	71	72	68	64	63	66	68	65	66	68	66	68	67	66	63	64	58	59	65	57	62	63	59	67	69	68	70	68	69	70	72	65.7
Henderson	Maximum	100	102	88	76	86	88	92	91	87	91	88	89	90	92	95	93	90	91	87	89	93	93	91	92	91	99	97	94	100	98	94	91.9
	Minimum	74	71	69	62	60	68	70	67	67	67	67	70	67	64	64	66	58	66	65	59	65	66	66	67	68	70	71	72	72	72	75	67.2
Hopkinsville	Maximum	101	99	87	78	87	85	91	90	91	92	88	78	84	87	89	90	88	92	85	89	90	91	91	93	92	95	96	94	96	98	96	93.4
	Minimum	74	74	70	70	63	65	65	66	68	68	69	66	65	65	64	66	64	66	68	60	65	64	62	68	70	70	72	70	71	70	72	67.0
Lovelaceville	Maximum	100	102	94	79	83	92	94	96	92	95	93	83	86	91	92	95	93	95	91	94	96	98	97	99	98	100	102	101	101	01	103	94.7
	Minimum	79	82	73	64	64	68	66	67	72	69	70	70	70	67	67	67	58	70	68	61	62	65	65	77	78	80	81	80	81	80	78	70.8
Mayfield	Maximum	102	103	93	75	88	88	92	93	91	96	92	77	85	87	89	92	90	92	87	91	93	95	90	97	94	96	98	95	99	100	99	92.1
	Minimum	75	74	71	64	66	71	68	69	71	71	70	70	70	68	69	70	62	72	69	68	66	66	67	71	72	69	72	71	72	72	78	69.5
Murray	Maximum	99	99	85	75	80	87	93	94	90	95	90	75	83	85	88	90	88	90	86	89	90	92	93	95	90	96	96	93	95	98	97	90.2
	Minimum	77	74	71	65	65	71	74	71	72	70	67	69	71	70	70	71	69	66	68	66	67	66	67	72	73	70	74	78	72	73	74	70.0
Owensboro	Maximum	99	100	87	77	87	87	90	88	86	87	86	86	87	89	91	90	87	92	82	87	90	90	91	92	89	94	96	94	96	96	96	90.0
	Minimum	71	71	67	62	62	62	67	65	66	65	66	67	66	64	64	66	63	63	59	63	65	64	64	67	66	67	68	70	71	72	72	66.1
Paducah (near)	Maximum	97	101	88	75	81	89	92	91	92	90	88	79	86	88	90	93	89	93	87	90	96	95	95	98	93	97	99	95	100	100	100	91.8
	Minimum	78	76	72	64	67	71	70	70	74	71	71	70	70	70	70	70	63	72	72	67	68	69	71	72	78	72	76	74	73	73	75	71.1
Princeton	Maximum	104	104	85	75	85	89	94	92	92	95	90	78	86	88	91	93	89	92	88	91	93	92	94	95	90	95	96	93	96	98	97	91.6
	Minimum	76	74	71	65	62	72	70	71	72	69	68	69	69	68	67	68	61	68	69	61	68	68	65	70	71	72	78	..	..	72	72	969.0
Russellville§§	Maximum	105	103	96	75	83	88	92	91	89	92	92	80	85	88	96	93	87	93	83	89	92	89	93	96	95	96	98	93	99	100	97	91.8
	Minimum	73	72	68	66	62	68	64	66	67	64	67	62	68	67	65	68	60	63	66	66	59	61	60	62	68	69	70	70	71	71	71	66.1
Central Division.																																	
Anchorage	Maximum	94	96	85	73	80	83	90	85	85	87	86	85	84	86	89	90	82	89	80	80	84	85	88	90	93	94	96	94	95	97	91	87.7
	Minimum	71	72	68	64	60	65	68	68	62	64	62	64	62	65	63	62	59	61	62	57	57	56	65	66	67	67	68	70	70	72	72	64.7
Bowling Green	Maximum	102	95	87	75	86	86	94	92	88	93	87	79	83	89	93	88	90	96	86	90	89	90	93	90	94	95	96	95	98	99	98	90.8
	Minimum	76	76	78	69	64	70	70	71	70	69	69	70	70	70	70	69	66	66	69	63	66	65	66	72	70	74	75	75	74	75	76	70.3
Clermont	Maximum	95	97	97	89	72	84	88	90	88	89	91	89	90	84	80	91	93	86	92	84	85	88	92	90	91	95	97	96	79	97	99	89.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Dauville	Maximum	97	96	82	72	81	84	89	96	87	89	87	87	86	85	90	90	85	88	84	84	84	85	88	90	93	95	95	93	93	95	95	88.3
	Minimum	71	72	66	65	64	67	67	65	61	63	65	67	66	66	65	65	64	58	64	58	57	54	58	65	66	66	66	69	69	71	72	64.9
Dix Dam	Maximum	100	97	84	78	82	85	91	87	85	91	90	89	83	87	92	92	89	86	89	86	86	89	93	93	96	97	98	97	98	98	98	90.7
	Minimum	74	74	70	68	67	69	71	68	69	65	70	69	71	66	68	68	68	67	61	60	59	58	56	60	68	71	71	70	74	72	76	67.7
Eubank	Maximum	90	95	84	72	80	85	87	83	88	91	86	85	91	86	91	87	84	87	84	85	85	88	92	91	94	96	96	94	95	94	93	88.4
	Minimum	67	71	60	65	64	65	69	65	62	65	69	67	65	67	67	67	64	58	64	67	58	58	61	67	69	67	67	67	69	73	73	65.5
Frankfort	Maximum	98	97	85	76	81	85	91	88	87	90	89	92	82	89	94	93	88	90	87	81	81	83	94	92	94	99	98	97	98	99	96	90.1
	Minimum	71	74	70	65	62	65	70	65	60	64	68	68	69	64	66	64	63	58	65	58	54	56	60	66	68	69	69	71	71	72	72	65.7
Glasgow	Maximum	86	98	84	75	82	84	90	90	88	89	90	82	86	88	91	91	89	91	91	87	89	91	93	91	94	97	..	..	..	..	..	886.0
	Minimum	74	74	71	67	66	69	70	69	65	67	69	68	70	68	67	67	63	63	67	59	61	58	63	67	68	69	..	..	..	..	..	766.9
Greesusburg	Maximum	95	87	86	74	80	88	92	87	85	93	88	82	82	88	91	91	88	88	89	86	85	86	88	93	93	93	94	94	91	95	94	88.6
	Minimum	70	70	69	64	62	67	67	68	67	67	67	65	67	65	66	65	61	58	63	58	57	55	60	66	68	68	68	68	68	70	71	65.3
Irvington	Maximum	98	97	88	74	84	89	90	87	89	93	88	91	82	88	91	92	86	92	84	87	79	92	91	91	93	96	100	98	99	98	91	90.6
	Minimum	72	75	67	63	59	66	68	64	63	64	66	69	67	64	62	63	60	60	63	58	58	58	60	65	68	68	69	70	69	71	72	65.3
Leitchfield	Maximum	97	96	89	75	81	86	90	90	87	90	88	88	84	87	91	91	86	92	87	86	87	89	90	0	88	94	95	97	94	96	97	89.6
	Minimum	74	73	69	66	62	67	69	68	66	66	66	68	65	65	65	65	60	61	57	60	60	60	62	70	67	70	73	70	71	74	74	68.6
Lexington	Maximum	98	95	84	69	80	85	90	86	88	91	88	85	81	88	91	91	85	87	82	85	86	89	93	92	94	97	98	95	96	97	96	89.2
	Minimum	78	71	69	68	63	69	67	67	63	65	68	69	68	65	68	67	63	62	61	59	57	58	61	69	70	71	72	74	73	73	72	66.9
Louisville	Maximum	96	94	87	74	82	85	90	85	87	88	87	83	83	88	90	90	84	90	82	81	85	86	89	90	94	97	94	96	97	88	88	88.2
	Minimum	76	76	68	64	63	70	72	70	68	70	70	72	67	68	68	67	64	66	66	63	61	68	69	73	78	76	77	77	78	71	71	69.8
Do. Bowman Field	Maximum	97	94	88	74	88	86	90	86	88	90	88	86	84	89	90	92	84	90	84	84	87	92	90	92	93	98	100	98	97	99	90	89.7
	Minimum	74	75	68	65	61	68	70	67	64	67	69	70	68	67	65	65	61	63	65	61	58	60	65	69	70	70	72	74	73	75	72	67.5
Mammoth Cave	Maximum	98	92	85	75	83	83	80	87	87	89	86	82	78	87	89	90	85	90	83	86	87	87	89	90	93	95	94	91	93	98	93	87.8
	Minimum	70	71	69	65	61	66	68	67	66	62	66	66	67	64	62	61	59	57	64	55	57	55	58	65	63	66	67	67	69	71	71	64.2
St. John	Maximum	96	94	88	74	79	85	90	87	87	89	88	86	83	88	92	91	87	91	86	85	86	89	92	94	97	98	100	97	98	98	98	89.0
	Minimum	70	70	69	64	60	66	67	64	64	63	65	67	68	65	63	61	58	57	63	56	58	57	59	66	66	68	68	68	66	70	72	64.3
Shelbyville	Maximum	96	96	88	95	82	85	89	87	88	89	88	88	84	89	91	91	86	92	86	84	85	90	88	91	94	98	100	97	98	99	94	90.4
	Minimum	69	69	67	61	58	63	66	63	58	60	65	65	65	62	61	59	58	55	61	57	52	53	58	63	64	67	68	67	67	70	68	62.5
Smith's Grove	Maximum	100	93	88	78	83	86	91	89	90	92	88	80	85	88	92	94	98	91	83	88	90	90	92	91	93	98	99	95	97	96	94	90.5
	Minimum	70	71	67	64	60	66	69	70	66	66	66	68	67	69	67	64	66	61	63	64	60	61	59	63	69	69	68	71	71	72	73	666.1
Stearns	Maximum	93	96	79	73	77	80	87	83	87	89	89	87	83	88	90	93	88	88	81	86	86	90	91	93	93	92	93	94	86	4
	Minimum	70	68	66	66	66	66	68	65	63	69	68	66	67	66	63	66	63	59	65	58	59	59	63	67	66	67	68	69	69	69	71	65.6
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	98	98	87	81	80	89	90	85	86	91	87	90	92	84	88	92	83	88	88	80	84	85	90	93	97	95	96	95	97	97	94	89.0
	Minimum	74	74	70	68	64	67	69	66	61	65	68	69	67	64	68	67	66	62	63	58	56	60	63	67	70	71	73	75	72	74	72	66.8
Eastern Division.																																	
Annville	Maximum	..	..	..	76	74	83	90	84	87	90	87	87	83	85	91	92	89	86	82	84	82	87	83	90	93	94	96	92	94	94	93	887.5
	Minimum	..	..	..	63	63	65	66	62	61	63	66	64	63	63	63	63	61	59	62	55	53	55	61	64	74	75	75	72	73	75	76	68.3
Ashland	Maximum	101	95	83	71	84	84	87	83	85	90	88	90	84	85	90	86	84	91	85	83	83	87	90	91	93	95	98	95	97	97	92	88.5
	Minimum	73	73	70	65	67	69	70	66	68	62	69	70	65	67	68	64	59	65	60	54	57	62	63	69	69	72	73	73	71	71	71	66.5
Berea	Maximum	98	97	93	75	80	84	87	91	88	90	88	87	88	85	89	87	85	87	88	85	85	88	89	89	92	95	96	95	94	94	94	89.1
	Minimum	71	74	67	66	63	68	68	64	66	68	67	67	67	64	69	68	61	63	56	56	55	60	67	67	67	69	73	71	74	73	73	65.7
Farmers	Maximum	97	97	80	78	77	77	83	84	84	90	84	88	80	84	89	92	90	86	88	82	85	85	87	86	92	95	96	92	94	94	94	86.8
	Minimum	69	69	68	68	66	64	70	67	58	61	68	67	66	63	65	66	65	58	61	56	51	52	56	64	67	66	69	71	69	71	71	64.7
Heidelberg	Maximum	98	93	81	75	75	85	90	87	86	94	89	81	85	88	93	87	87	90	84	86	87	89	91	92	93	96	98	95	97	96	94	89.4
	Minimum	69	71	70	70	66	68	70	66	66	68	68	68	67	65	66	68	56	66	66	58	56	60	67	66	68	70	70	70	70	73	68	67.6
Lynch [near]	Maximum	..	..	95	90	64	69	..	72	72	76	74	76	75	81	73	71	70	72	69	70	71	75	76	74	77	81	80	78	80	80	80	775.8
	Minimum	65	60	64	57	58	59	..	54	62	50	56	60	59	59	58	59	59	54	57	54	55	56	59	61	61	63	59	67	65	65	66	59.6
Maysville	Maximum	97	95	83	75	77	84	88	84	86	91	87	90	82	86	90	89	84	87	86	80	85	85	88	94	93	96	97	93	95	97	93	88.3
	Minimum	71	73	69	68	67	69	69	68	67	69	69	69	67	67	68	68	65	58	65	59	59	59	64	67	70	70	73	70	73	74	74	67.8
Middlesboro	Maximum	98	95	94	79	90	92	94	94	92	94	94	90	95	93	91	94	90	88	87	86	87	88	89	86	90	92	92	94	92	90	94	91.3
	Minimum	69	69	69	67	67	66	69	67	64	67	66	69	69	67	65	66	64	61	65	62	60	60	64	67	76	68	69	70	69	71	70	66.8
Mount Sterling	Maximum	96	96	84	78	81	85	89	87	87	92	89	90	90	90	91	85	88	84	84	86	86	90	91	93	95	96	98	96	97	97	95	89.5
	Minimum	73	72	69	65	65	69	69	66	61	65	65	69	69	65	67	69	66	66	66	60	56	56	60	68	77	68	70	72	73	73	74	67.6
Pikeville	Maximum	100	94	90	75	82	88	88	87	89	94	92	90	84	84	94	79	86	92	85	87	87	92	92	95	96	96	98	96	97	99	98	90.5
	Minimum	69	68	68	67	67	68	67	66	64	64	68	68	69	67	67	68	66	66	68	62	60	60	67	67	67	72	74	74	73	73	71	67.4
Pippapass	Maximum	99	96	85	74	83	86	87	85	85	91	89	90	83	84	92	86	85	89	85	85	87	89	91	93	95	96	96	93	95	95	97	89.2
	Minimum	69	69	68	68	66	66	65	65	64	63	67	67	69	68	65	66	66	62	64	60	60	57	63	65	67	69	70	71	71	71	71	65.9
Quicksand	Maximum	97	93	78	74	83	86	86	85	87	93	89	88	83	87	92	84	87	88	83	86	89	..	91	91	94	98	99	96	95	96	95	89.1
	Minimum	71	70	69	68	66	68	68	65	65	69	69	70	67	66	66	64	63	65	59	57	..	62	68	68	67	71	71	71	71	71	71	67.1
Richmond	Maximum	94	94	80	72	82	85	82	85	87	92	88	82	83	85	86	90	85	86	80	83	85	87	90	91	92	93	97	92	94	92	85	85.9
	Minimum	75	75	70	68	65	70	70	67	65	68	70	70	70	70	72	67	65	66	62	62	60	65	72	72	73	74	75	74	76	77	73	69.5
Williamsburg	Maximum	95	94	85	77	85	80	89	82	87	90	90	89	84	82	89	85	87	90	85	90	84	86	91	92	91	93	94	93	93	94	92	88.3
	Minimum	70	71	68	63	67	66	67	66	65	70	70	67	69	68	66	69	65	62	65	61	61	63	66	68	68	61	70	70	72	74	66	66.1
Winchester	Maximum	98	96	81	75	80	80	87	84	87	88	87	86	78	85	88	90	83	86	88	82	84	88	91	90	94	96	96	94	96	97	97	88.0
	Minimum	71	71	67	65	62	67	68	65	61	64	66	67	68	64	66	69	64	60	64	58	58	58	60	68	68	71	71	73	72	74	74	66.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

,,* etc. indicate respectively 1, 2, 3 etc., days missing from record.

C. B. O. Louisville, 8-27-41. 1100

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N. H. L.

OCT 3 1941
UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., AUGUST, 1941 No. 8

GENERAL SUMMARY.

Except for local rains in some central and eastern districts, dry weather with temperatures generally above the average continued through the first two weeks. In the third week moderate to heavy rains visited practically all parts of the State, bringing relief to late crops and causing considerable improvement in pastures. At this time late corn on the hills and uplands of the northern counties and irregularly elsewhere was badly fired, and pastures were drying seriously. In general the situation as to soil moisture had remained fairly satisfactory on the better lands of the southern counties. Moderate rains in most of the State and heavy rains in considerable central and northern areas in the fourth week restored normal growing conditions and brought decided improvement in all late vegetation. In many places the total rainfall of the third and fourth weeks ranged from 2.0 to 4.0 inches, which resulted in moderate flushing of small streams and temporary replenishment of domestic water supplies. Pastures improved to a marked degree where these heavy rains were repeated, but needed more rain for complete recovery where only moderate amounts occurred. Recharge of subsoil began in localities that received as much as 3.0 to 4.0 inches. The rains came too late for some late corn in western districts and on south or west exposures, which had tasseled without shoots. Improvement was limited in other badly fired corn, while corn on lowlands or good uplands improved decidedly. The result was great irregularity in the late crop. Field tomatoes were seriously damaged by the dry weather and high temperatures, but they ripened much better and set additional fruit after the rains. Late potatoes, late gardens, and fall forage crops were improving generally at the end of the month. Prior to the rains, fall plowing had been hindered by dry soil. The moisture received was sufficient to soften fallow land fairly well, and make possible the conditioning of land already broken; but there were some central and eastern areas of considerable size where more rain was needed. Rainy spells were of short duration, therefore weather favorable for gathering the heavy peach crop and for cutting and housing tobacco usually prevailed. Most of the interference from rain occurred in the period 24-27th.

TEMPERATURE.

The temperature for the State averaged considerably above normal, due mainly to the long period of excess warmth in the first half of the month. From the 8th to 12th and again on the last two days mean daily temperatures ranged from 5° to 10° above the seasonal average. As a rule the 11th was the warmest day, with maxima of 100° or higher at many stations in the drier parts of the State. Moderately cool weather prevailed on the 13-14th and from the 17th to the 21st. Extremes for the State were 105° at Earlington on the 10th and 11th and 44° at Farmers and Shelbyville on the 14th.

PRECIPITATION.

Precipitation for the State averaged about 80 per cent of the normal amount for this month. Considerable areas in the southern half of the State received normal rainfall, with amounts ranging from 4.0 to 4.5 inches. Most northern stations reported from 2.0 to 3.0 inches, but there were some localities where 3.0 to 4.0 inches occurred. Limited districts in the south-central counties and the bluegrass region had less than 2.0 inches. Showers that were mostly light and scattered occurred on several days in the first decade. They became more general in central and eastern districts, from the 9th to 16th, but remained exceedingly irregular in amount. Moderate to heavy rains visited all sections in the periods 19-20th and 23d-28th. They continued locally in western districts on the 29th and 30th. Several stations reported 24-hour falls of 1.0 to 2.0 inches on the 19th and 25th. Days with thunderstorms were: 1, 5, 7, 8, 9, 10, 11, 12, 14, 15, 18, 23, 24, 25, 26, 27.

MISCELLANEOUS.

Aug. 8.—A windstorm at Louisville caused damage to buildings estimated at $4,000.

Rivers.—Pool stages, with only slight fluctuations, prevailed in the rivers of the State during the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity	Maximum velocity.	Direction.	Date.	Relative humidity 6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	29.98	30.18	30	29.76	18	6.4	27	n.	12	83	53	.	80
Cincinnati ..... Ohio	30.01	30.28	28	29.75	11	6.0	18	sw.	11	77	46	54	82
Evansville..... Ind.	29.98	30.19	28	29.75	18	6.8	28	ne.	5	84	49	58	82
Louisville ..... Ky.	29.99	30.22	28	29.80	11	7.8	26	sw.	25	84	48	58	80

COMPARATIVE DATA FOR AUGUST.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation. Average.	Average snowfall	Number of days. Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	70.6	100	43	1.23	..	..	..	..	..
1890	73.2	101	44	6.16	..	..	..	..	..
1891	72.9	105	43	5.82	..	..	..	..	..
1892	75.4	96	45	3.13	..	..	..	..	..
1893	74.8	99	48	1.72	..	..	..	..	..
1894	77.1	105	41	3.02	..	5	..	..	..
1895	76.6	102	49	2.15	0	6	16	10	5
1896	77.1	105	41	2.83	0	9	19	8	4
1897	75.2	101	49	2.33	0	7	18	10	3
1898	76.7	100	55	3.83	0	6	18	10	3
1899	78.1	102	51	3.09	0	6	16	11	4
1900	80.4	104	52	2.74	0	12	19	10	2
1901	75.5	101	50	5.12	0	7	12	9	10
1902	75.6	103	45	2.48	0	8	16	10	5
1903	75.5	100	49	3.27	0	8	15	11	5
1904	75.2	100	45	2.64	0	9	15	8	8
1905	75.7	99	42	3.82	0	10	16	8	7
1906	77.4	99	45	4.37	0	10	13	9	9
1907	74.8	99	48	4.27	0	6	15	7	9
1908	76.3	104	49	2.79	0	7	16	8	7
1909	76.9	104	45	2.60	0	6	19	8	4
1910	74.0	100	46	2.72	0	10	18	7	6
1911	76.2	106	45	4.03	0	13	13	7	11
1912	73.7	98	43	4.71	0	7	14	8	9
1913	78.0	108	44	2.81	0	12	16	9	6
1914	76.0	100	49	5.94	0	14	13	8	10
1915	71.3	100	42	6.29	0	9	9	10	12
1916	77.0	101	47	4.25	0	8	14	10	7
1917	73.9	100	42	3.49	0	7	16	8	7
1918	80.2	111	50	3.18	0	8	17	9	5
1919	75.0	104	47	3.49	0	18	17	8	6
1920	78.4	98	57	5.80	0	10	10	10	11
1921	76.0	101	48	5.28	0	6	16	9	6
1922	75.2	101	44	2.43	0	12	16	9	6
1923	75.4	99	43	6.03	0	12	13	10	8
1924	76.5	103	43	3.00	0	7	21	6	4
1925	76.5	106	44	1.57	0	5	21	7	3
1926	77.3	101	51	7.51	0	14	12	10	9
1927	71.1	97	43	2.88	0	8	16	8	7
1928	77.0	101	54	4.33	0	11	14	10	7
1929	74.0	100	37	2.06	0	6	19	7	5
1930	76.5	113	42	2.25	0	7	16	9	6
1931	74.9	102	45	5.36	0	12	18	9	9
1932	76.5	103	43	4.25	0	7	17	9	5
1933	74.7	99	51	3.30	0	8	10	6	15
1934	76.6	104	46	4.76	0	10	18	11	5
1935	77.0	105	42	4.22	0	9	16	9	6
1936	81.1	108	43	2.22	0	6	16	11	4
1937	78.0	100	53	3.68	0	9	15	10	6
1938	78.0	101	52	4.45	0	10	16	10	5
1939	75.3	99	43	2.88	0	8	16	10	5
1940	75.0	102	45	3.57	0	8	18	11	6
1941	76.9	105	44	3.13	0	8	14	10	7
Period †	75.9	113	37	3.68	0	9	16	9	6

†53 year averages.

Natural History Library

Climatological Data for August, 1941.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	29	77.8	+ 1.4	102	9†	50	14	44	2.07	−1.24	0.95	0	6	15	10	6	s.	Eldred G. Young.
Calhoun	McLean	437	37	[a]79.2	+ 2.0	103[a]	9	51[a]	21	41[a]	3.94	+0.10	1.73	0	8	16	7	8	.....	R. C. Bennett.
Earlington	Hopkins	420	47	79.8	+ 2.6	105	10†	54	21	36	4.58	+1.33	1.35	0	8	22	3	6	n.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	5.24	+2.85	2.21	0	8	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	4.58	.....	1.69	0	8	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	77.5	+ 1.4	100	9†	53	21	37	3.92	+0.46	1.62	0	10	21	7	0	s.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	3.43	.....	1.39	0	7	13	18	0	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	78.2	.....	102	9†	53	21	37	3.89	+0.67	1.90	0	7	16	14	1	sw.	Frank T. Street, Jr
Hopkinsville	Christian	524	45	78.2	+ 0.8	99	10	57	21	33	3.32	−0.22	0.74	0	10	21	10	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	81.4	.....	104	10†	55	21	35	3.42	−0.16	1.20	0	7	15	16	0	s.	Blaine Malone.
Mayfield	Graves	364	32	80.7	+ 3.2	102	10†	58	21	33	3.71	0.00	2.22	0	7	14	17	0	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	80.0	+ 2.4	101	11	60	20†	29	2.92	−0.47	1.06	0	6	6	6	19	s.	Ralph B. Wear.
Owensooro	Daviess	420	44	78.2	+ 2.8	100	11	56	21	34	3.01	−0.43	1.96	0	5	20	4	7	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	15	.....	.....	.....	.....	.....	.....	.....	2.97	−0.18	2.00	0	5	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	81.2	+ 0.6	102	11	60	21	29	3.92	+0.18	1.25	0	8	17	9	5	.....	Joe Lagore.*
Princeton	Caldwell	529	34	79.5	+ 2.2	102	9†	57	21	32	5.21	+1.61	1.58	0	11	16	10	5	s.	S. J. Lowry.
Ramsey, Lock 2	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	3.69	−0.53	1.67	0	8	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	77.8	+ 0.8	103	11	53	21	33	1.91	−1.20	0.74	0	8	19	2	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	18	.....	.....	.....	.....	.....	.....	.....	3.46	+0.24	2.16	0	9	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	13	.....	.....	.....	.....	.....	.....	.....	2.15	−0.99	1.09	0	5	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	75.0	+ 0.5	97	11	49	14	39	2.19	−1.46	0.96	0	5	20	10	1	ne.	C. E. Barret.
Bowling Green	Warren	500	45	78.8	+ 0.6	98	9	59	14	30	5.32	+1.69	1.75	0	11	12	1	18	s.	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	4.42	+0.17	1.40	0	11	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	56	.....	.....	.....	.....	.....	.....	.....	4.05	−0.17	2.05	0	10	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	1.12	−2.70	0.50	0	5	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	8	.....	.....	99	6†	.....	.....	.....	1.79	.....	0.89	0	5	14	12	0	w.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	2.43	−1.21	1.58	0	9	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	935	17	75.2	.....	97	11	46	14	42	3.91	+0.22	1.03	0	8	19	5	7	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	78.1	+ 1.5	99	11	49	14	41	2.35	−1.31	0.48	0	7	14	13	4	s.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	2.79	.....	0.93	0	9	.....	.....	.....	.....	Joe Norflect.
Eubank	Pulaski	1177	46	75.4	+ 1.5	96	10†	48	14	39	2.19	−2.09	0.75	0	7	13	5	10	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	76.4	+ 1.2	99	8	47	11	46	3.34	−0.36	1.25	0	9	18	9	4	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	4.08	+0.52	1.08	0	8	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	[a]77.2	+ 0.2	97[a]	6	52[a]	21	38[a]	4.42	−0.04	1.36	0	10	.....	.....	.....	w.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	1.40	−1.89	0.95	0	6	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	781	48	75.0	− 0.3	96	9	47	14	37	3.67	−0.51	1.52	0	12	3	4	24	n.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	2.56	−1.22	0.79	0	9	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	77.0	+ 1.1	100	11	49	14	45	1.95	−1.55	0.87	0	7	15	11	5	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	2.36	.....	0.85	0	10	17	12	2	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	2.48	−1.66	0.74	0	6	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	685	43	77.0	+ 1.4	98	9	52	14	36	5.10	+1.38	1.18	0	9	6	14	11	sw.	D. Lem Hughes.
Lexington	Fayette	980	57	76.9	+ 2.4	99	8	52	14	39	1.89	−1.56	0.61	0	8	21	8	2	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	3.16	−0.88	1.46	0	4	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	3.60	−0.18	1.44	0	7	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	78.3	+ 1.3	98	11	59	14	30	1.91	−1.51	1.07	0	10	12	15	4	ne.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	77.3	.....	98	11	52	14	38	2.73	.....	1.24	0	10	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	74.8	.....	97	11	47	14	38	4.84	.....	1.27	0	11	5	17	9	s.	Ivan J. Ellsworth.
Monticello	Wayne	916	3	.....	.....	.....	.....	.....	.....	.....	4.49	.....	1.80	0	6	17	7	7	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	3.77	+1.02	0.81	0	11	.....	.....	.....	.....	Chester Williams.
St. Jonn	Hardin	777	45	76.2	+ 1.3	99	9	50	14	38	2.81	−1.12	1.16	0	12	9	15	7	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	2.18	−1.56	0.65	0	6	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	525	48	75.2	0.0	100	9†	44	14	40	4.87	+1.18	1.20	0	8	12	0	19	n.	Willis E. Ratlia.
Smith's Grove	Warren	607	3	[a]74.0	.....	98	7	50[a]	22	24[a]	3.17	.....	1.63	0	6	3	22	6	s.	C. W. Guernsey.
Stearns	McCreary	1400	5	75.8	.....	97	9†	53	14	30	2.69	.....	1.26	0	7	9	11	11	sw.	Airway Station.
Taylorsville	Spencer	489	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	2.51	−1.03	0.84	0	8	.....	.....	.....	.....	Lockmaster.
Wammstown	Edmonson	803	38	76.8	+ 2.5	99	11	52	14	37	2.07	−1.60	0.60	0	7	24	2	5	w.	Mattie B. Simpson.
Woodbury, Lock 4	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	1.66	−2.17	0.68	0	7	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	.....	.....	96	8†	.....	.....	.....	.....	.....	.....	.....	.....	19	11	1	ne.	W. A. Worthington.
Ashland	Boyd	534	24	75.2	+ 0.4	95	11	48	14	34	2.78	−0.99	0.56	0	9	15	10	6	n.	Lockmaster.
Berea	Madison	1070	38	75.2	+ 0.7	98	11	49	14	38	1.89	−2.32	0.98	0	7	9	14	8	sw.	Berea Center.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	3.45	−0.65	1.30	0	8	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	1.85	−2.05	0.85	0	5	.....	.....	.....	.....	S. M. Hill.
Falmouth	Pendleton	666	52	.....	.....	.....	.....	.....	.....	.....	2.69	−1.29	0.67	0	7	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	74.0	+ 0.7	96	8	44	14	44	2.34	−2.10	0.74	0	10	13	12	6	w.	Mrs. Corda C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	3.58	−1.48	1.48	0	7	.....	.....	.....	.....	C. A. Glascock
Ford, Lock 10	Clark	508	23	.....	.....	.....	.....	.....	.....	.....	3.20	−1.14	2.15	0	8	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	2.71	−0.86	0.95	0	6	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	4.03	−0.51	1.96	0	8	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	3.51	−0.50	0.98	0	7	.....	.....	.....	.....	H. A. Bally.
Heidelberg, Lock 14	Lee	663	6	74.4	.....	97	8	48	14	38	3.77	−0.15	1.12	0	9	10	11	10	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	4.04	.....	1.13	0	6	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	3.24	−0.60	1.12	0	5	.....	.....	.....	.....	R. J. Howard.
Louisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	2.29	−1.87	0.57	0	6	.....	.....	.....	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	66.8	.....	80	10	49	13	26	3.78	.....	2.00	0	5	17	12	2	s.	James S. Allen.
Maysville, Dam 33	Mason	524	48	75.1	− 0.1	97	11	52	14	36	2.43	−1.05	1.09	0	7	12	13	6	sw.	Lockmaster.
Middlesboro	Bell	1128	42	[a]77.2	+ 3.0	97[a]	6	54[a]	14	36[a]	2.53	−2.63	1.65	0	6	14	17	0	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	77.1	+ 3.1	98	8	49	14	35	1.93	−2.24	1.03	0	4	17	11	3	s.	W. R. McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	2.43	−2.01	0.74	0	8	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.85	0	8	.....	.....	.....	.....	R. O. Fraley.
Pikeville	Pike	646	15	75.8	.....	94	8†	52	13†	39	2.44	−1.88	1.02	0	7	8	14	9	so.	U. S Weather Bureau.
Pippapass	Knott	1035	7	77.5	.....	93	11	46	15	44	3.10	.....	1.10	0	8	12	6	13	e.	Caney Run Com. Cen.
Quicksand	Breathitt	782	15	76.0	+ 1.4	97	8	50	14	39	3.74	−0.77	1.74	0	6	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	4.43	−0.21	1.77	0	6	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	77.1	+ 1.6	95	9†	55	14	30	3.34	−0.62	1.05	0	8	17	5	9	.....	J. W. Crooke.
Valley View, Lock 9	Madison	577	28	.....	.....	.....	.....	.....	.....	.....	3.44	−1.53	0.96	0	6	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	2.24	−1.24	0.72	0	8	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	44	76.7	+ 0.6	94	7†	54	14	30	3.92	−0.66	1.11	0	9	16	13	2	.....	Wadely West.
Willow, Lock 13	Lee	616	21	.....	.....	.....	.....	.....	.....	.....	2.25	−1.51	1.31	0	5	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	76.8	.....	99	8	51	14	35	2.57	.....	1.41	0	6	2	26	3	.....	Airway Station.
State averages and extremes	.....	.....	..	76.9	+ 1.0	103	10[b]	44	11	46	3.13	−0.65	2.22	0	8	14	10	7	s.	

All temperature data are taken from self-registering thermometers.

The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means.

‡Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River

Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days.

† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow

*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for August, 1941.

Stations	Day of month																													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G								T							.36				.95				.03	.03	.17	.53						2.07
Calhoun G										.34					.35				1.73				.08		.21	.40	.02			.81	T	3.94
Carlington [2] G															.32	.23			1.20					1.35	.55		.16	.25		.40	4.26
Fords Ferry Dam 50[2] O	T				.68		T.					.93		T.	.08				2.21						.68		.20	.29	T	.17	5.56
Gilbertsville [2] T	.14											.13	.06		.68				1.53					1.09	.20			.50	T		4.63
Greenville G												.05	.02		.03				.75				1.62	.35	.20	.70	.15	.05			3.92
Hartford G								.24							.38				1.89				.60		.43	.23	T		T	.16	3.43
Henderson O					.21			.27							.35				1.90					T	.52	.66			.05		3.89
Hopkinsville [2] C	T.	.25				.74			T.	T.		T.	.03			.51			.43					.03	.09	.65					2.32
Lovelaceville M	.4												.05					1.20					.75	.55		.10	.87				3.42
Mayfield M	T.				T.				T.			.09	.11	T.					2.22				T	T		.09	.59	.04	.57			3.71
Murray [2] T		.62										.28							1.06	.33	.05						.58					2.52
Owensboro [2] O															.53				1.96						.11	.06	.85	T.		T		3.01
Owensboro, Dam 46 [3] O												.47			.55				2.60						.10	.02	.59					2.97
Paducah [2] O	T.								T.			.06		T.	.02				1.23				T	.38	.20		.35	1.05		.55		3.52
Princeton G							.36	T.			T		.27	.01					.98				.18	.38	1.58	.15	.80		1.01	.02		5.24
Rumsey, Lock No. 2 [3] G										.31						.40			1.07					.02	.20		.35	.02		.69		2.69
Russellville [2] G									.15				.41						.15					.20	.74		.03	.14		.09		1.51
Uniontown, Dam 49[2] O	.03												.04		T.	.18			2.16						.21	.51	.48	.03		.02		3.46
Central Division																																
Addison, Dam 45 [3] O									.55						.25				1.00	T.					.10		.25					2.15
Anchorage O												.12				.11			.96						.44	.56						2.10
Bowling Green [3] G		.10							.75			.25	1.75		.35	.31			1.15	T.			T.	.50	.60		.50	.06				5.82
Bowling Green No. 2 [3] G		T.							.90			.05	2.20		.26	.42			.69	.19				.26	.52		.16	.08				5.13
Brownsville, Lock No. 6 [2] G		1.08							.10				.45		.07	.13			.48	T.			T.	.08	.01	.58	1.40	.01				4.42
Burnside [3] C	.02									.04			.55			.08			.33	.16				.10	.23		.50	2.05				4.05
Carrollton Lock No. 1 [3] K	.21																		.56						.19	.08	.14					1.12
Clermont S									.89								.11		.55					T.	.16	T.	.08					1.79
Cold Spring, Dam 38[2] O	.01								.13		.09	T.			.04		.02	1.58	.29						.22		.08					2.43
Danville [3] K	T.								.02	.46		.02			1.05				.42	.64				.93	T.	.37						3.91
Dix Dam, Burgin K					.13										.25			.48	.29				.37	.10	.73							2.35
Eadsville [2]	.21											.70				.07			.23	.08				.26	.06		.93	.27				2.79
Embank C												.75							.24	.48				.10	.03	.53		.01				2.19
Frankfort, Lock No. 4 [3] K	.40								T		.07	.22			.39				.66	.02					.28	.01	1.25					3.31
Gest, Lock No. 3 [3] K	1.06								.36			T.			.13				.53	.23	T.			1.08	.31	.38						4.08
Glasgow G									1.36			.09		.01	.25				.09	.16			T.	.25	.20		1.06	.95				4.42
Grant, Dam 38[2] O	T.									.05	.03	T.			.18		T.		.95	.09					.10		T.					1.40
Greensburg [3] G	.10	.08							.30	.07		.07		.04					.26	.27			.02	.38			.59	1.52				3.67
High Bridge, Lock No. 7 [3] K	.04					.67				.10		.03		.11					.46	.18				.24	T.	T.						2.66
Irvington O								.04	.01	.06				.70					.87					.16	.11							1.55
LaGrange O					.02			.08				.39		.03					.85				.02	.01	.64	.24			.08			2.36
Leitchfield [3] G									.39					.24				.21	.68					.22		.74						2.48
Lexington [4] K									.46	1.18	.08				.92				.58					.48	.16		1.16	.08				5.10
Little Hickman, Lock No. 8 [3 4] K									.15			.21				.06			.58				T.	.20	.07	.60	.01					1.89
Lockport, Lock No. 2 [3] K	1.44														.52				.82						.36	1.46						3.16
Louisville [4] [4]																.21			.40	.27				.49	.53	.26						3.66
Do. Bowman Field O								.06	.03		.06	T							.08	.99			.09	.06	.13	.28				.13		1.91
Mammoth Cave [2] G	T.	.01						.18	T.		.05	.19		T.				.05	1.19				.26	.06	.13	.61			.01			2.73
Monticello [2] C									.07	.43			.73			.13			.54	T.			T.	.03	.40		1.11	1.27		.68		4.84
Munfordville [2] G	.30					.03			.26		.15		.62											1.30	1.30	.56						4.19
St. John [5]						.20			.16	.05			.18			.07			.35	.08				.42	.48	.81	.67	.83				3.77
Salvisa, Lock No 6 [3] K	.21								.16	1.15		.02				.11			.85	.01				.01	.08	.14	.04	.01				2.81
Shelbyville [2] S	.93									.11						.32			.6						.88		.51					2.18
Smith's Grove G	.27								T.			.08			.08				.43	.18				.33	1.26		1.18					4.87
Stearns C						T.			.12			.51		T.	.06				.22					1.26	.37	.15						2.69
Taylorsville K																																
Tyrone, Lock No. 5 [3] K	.20																		.40	.32				.08		.52						2.61
Williamstown [2] L	.38					.04			.82	.23		T.			.81				.40	.60				.80		.35						2.07
Woodbury, Lock No. 4 [3] G													.02						.88					.12	.22		.67	.04				1.66
Eastern Division													.68			.13			.35													
Annville [2] C																																
Ashland [2] O	.40										.03	.02			.40				.18	.45					.50	.16	.62					2.76
Berea K									T.			.12	.12		.06				.98	T.				.23	.01	.30						1.89
College Hill, Lock No. 11 [3] K	.03									1.30			.54						.09	.48				.12	.13	.76						3.45
Cynthiana [2] L										.35									.29	.06						.36	.85					1.85
Falmouth [2] L	.07									T		.66	T.						.67	.23			T.	.47	.53	.66						2.69
Farmers [2] L	.36									.02	.49	.07				.12			.30	T.			.02	.19	.03	.74						2.34
Flemingsburg [2] L	.74									.16		.13				.12				.81				1.48		.44						3.78
Ford, Lock No. 10 [3] K	T.					.04			2.13			T.	.04		T.				.14	.15				.39	.01	.30						3.20
Grayson [2] O	.41									.10									T.	.36				.55	.85	.95						2.71
Greenup, Dam 30[2] O	.33											T.			1.96				.23	.16		.08		.23	T.	.88						4.08
Hazard [2] K	.17					.19							.08			.07				.55				.92	.46	.47						3.61
Heidelberg, Lock No. 14 [3] K		.49								.80		.12			.06				.06	.76				.14	.11	.24						3.77
Jackson [2] K										.16		1.43	.87							.40				.08	1.10							4.04
Jenkins [2] B													1.06					.14	T.	.18					1.12		.79					3.24
Louisa [2]	.83											.22								.26					.35	.56	.57						2.23
Lynch [near] C												.53	.37						.48						2.00	.34						3.73
Maysville, Dam 33[2] O	.34									.20		.50							.13	.12			T.	1.03		.46						2.85
Middlesboro C	.02									.18	.12	1.67			.12				.17							.31						2.53
Mount Sterling L																			.56					.07	.33	1.03						1.93
Oneida [4] K																																
Oneonta Dam 35[2] O	.63									.74		T	T.		T.	.09		.03	.69	.25					.64		.02			T		2.43
Paintsville [2] B	.29											.03	.06						T.	.25			.13	.11	.04	.55						1.76
Pikeville B											.02	1.02				.09			.26				.01	.04	.45	.59	.07					2.44
Pippapass K													.16						.25					.40	1.00	1.10	.08					3.10
Quicksand [2] K										T		1.74	.64							.39				.10	.28		.59					3.74
Ravenna, Lock No. 12 [3] K	T.									1.26			1.77						.11	.97				.06			.22					4.43
Richmond [2] K									.10				1.05			.22			.12	.90				.10	.15	.03	.70					3.34
Valley View, Lock No. 9 [3] K					.03					.08			.96			.25			.23	.13					.20	.03	.48					2.49
Vanceburg, Dam No. 32 [2] O	.17									.72		.10				.25			.20	.21					19		.40					2.24
Williamsburg [2] K		.04								.93			.22			.31				.16				1.11	.80	28	.67					3.62
Willow, Lock No. 13 [3] K										.44		.15	1.34											.08			.20					2.26
Winchester K								T.	1.41			.06			T.				.23					.43	.04	.40						2.57

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2] Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3] Precipitation measured with recording gage. [4] Included in the next following measurement
T. Trace, or precipitation less than 0.01 inch. [5] Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.

Daily Temperatures for August, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	96	92	93	96	96	97	98	102	98	102	100	86	94	91	90	90	95	87	85	87	89	86	86	90	90	82	87	87	90	93	92.0
	Minimum	71	65	66	60	59	62	65	68	68	69	68	73	64	50	68	62	57	61	65	56	52	56	67	63	69	69	64	65	63	68	63	63.7
Calhoun	Maximum	100	100	99	96	98	98	100	99	103	99	100	101	89	94	92	92	..	96	98	86	87	89	89	87	89	89	84	89	87	89	87	*93.7
	Minimum	73	66	67	63	62	65	67	69	70	70	71	74	64	56	71	62	..	60	57	57	54	68	67	64	57	66	65	64	64	69	65	*64.6
Earlington	Maximum	99	97	94	93	98	96	100	100	104	105	105	102	86	96	91	91	90	97	84	83	87	89	88	87	89	88	87	89	91	86	86	88	90	93	93.1
	Minimum	75	67	66	59	66	64	70	70	71	71	70	76	66	64	72	64	60	65	67	65	64	68	69	64	69	76	67	66	66	71	69	66.5
Greenville	Maximum	94	94	92	91	96	95	96	95	100	99	100	98	85	94	90	90	89	95	85	82	85	88	84	86	88	90	82	86	86	89	88	91	90.9
	Minimum	72	65	65	62	68	62	66	67	68	69	68	70	64	55	69	62	60	60	65	66	53	57	62	62	69	72	65	64	64	70	65	64.1
Henderson	Maximum	96	97	90	95	97	95	98	97	102	102	102	98	86	93	91	92	90	93	81	85	88	87	92	87	88	90	83	88	89	89	91	91.9
	Minimum	73	65	66	59	66	66	66	70	71	70	72	74	59	66	59	60	57	63	61	66	53	60	65	65	69	66	66	67	62	70	68	64.5
Hopkinsville	Maximum	94	92	91	90	95	95	94	93	97	99	97	99	85	94	92	87	88	94	80	85	84	88	84	86	88	91	80	84	87	90	93	90.2
	Minimum	74	67	67	64	62	65	70	70	69	70	70	72	68	68	69	65	63	62	65	58	57	58	63	66	66	65	70	67	67	68	69	65	66.1
Lovelaceville	Maximum	100	99	98	94	101	99	100	99	102	104	104	102	90	96	96	95	97	98	90	86	90	88	88	90	91	92	86	85	88	93	94	94.7
	Minimum	71	68	66	62	62	68	70	72	70	70	71	75	66	64	71	72	69	71	66	60	55	60	69	73	71	72	63	69	67	72	73	68.0
Mayfield	Maximum	98	97	96	93	99	97	96	97	101	102	102	101	90	95	98	94	95	97	90	83	87	86	87	88	91	92	86	85	88	93	95	93.0
	Minimum	72	68	68	66	66	65	71	70	71	72	73	75	67	66	71	65	65	68	66	59	58	62	71	70	72	75	70	70	69	72	69	68.4
Murray	Maximum	94	93	94	90	96	95	96	96	100	100	101	100	85	93	92	90	91	93	89	82	81	87	82	86	86	91	80	83	87	89	90	90	90.5
	Minimum	78	71	70	66	67	67	72	72	74	74	74	76	67	66	72	67	67	69	66	60	65	60	70	69	66	73	75	70	70	70	68	74	69.5
Owensboro	Maximum	96	96	92	95	97	96	96	96	99	96	100	97	86	93	91	87	88	92	86	88	86	85	89	85	88	85	86	86	87	88	90	91.1
	Minimum	73	65	69	65	68	67	68	68	68	71	70	73	63	57	70	62	62	61	64	59	56	58	66	64	68	68	67	68	65	68	65	65.4
Paducah (near)	Maximum	95	98	95	93	97	96	96	95	100	99	102	100	90	95	92	93	93	96	87	84	86	87	85	88	90	90	85	87	88	90	92	92.4
	Minimum	75	70	73	70	68	71	74	73	74	72	73	78	68	68	73	67	68	69	67	62	60	66	72	70	72	72	71	69	70	72	76	70.1
Princeton	Maximum	95	95	93	92	97	95	93	97	102	100	102	100	88	93	93	90	90	95	86	88	87	88	84	86	89	90	84	85	88	87	90	91.4
	Minimum	72	68	67	64	65	65	71	71	70	74	72	74	67	64	71	64	66	66	66	58	57	60	71	66	69	74	70	67	69	71	69	67.6
Russellville§§	Maximum	95	94	92	92	96	96	99	98	100	102	108	98	82	93	90	88	89	95	80	84	86	93	89	87	90	94	80	82	87	90	94	91.5
	Minimum	71	64	65	62	59	65	68	68	70	70	70	72	65	60	65	64	60	63	66	55	53	58	65	65	67	70	65	65	66	66	66	64.7
Central Division.																																	
Anchorage	Maximum	90	90	84	89	92	91	91	95	92	94	97	90	78	88	87	86	81	92	82	80	81	85	86	85	88	82	78	81	87	86	89	87.0
	Minimum	70	64	63	60	65	64	63	64	68	68	70	74	57	49	72	59	65	65	66	53	52	54	58	64	68	70	65	59	62	68	69	63.0
Bowling Green	Maximum	91	94	93	93	96	95	92	90	98	90	94	90	83	87	89	89	90	87	85	83	87	79	84	89	90	87	86	87	93	93	93	89.2
	Minimum	75	69	70	68	66	70	72	72	71	75	73	73	65	59	71	68	64	64	71	61	60	63	68	69	71	73	69	68	69	70	68	68.4
Clermont	Maximum	91	98	96	94	96	99	96	99	99	98	99	98	92	84	89	87	90	85	94	92	86	87	88	88	83	90	82	84	88	91	91	91.3
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Danville	Maximum	93	92	90	91	95	93	94	96	96	93	97	92	79	88	85	88	85	90	83	81	83	87	86	85	89	89	80	88	87	88	91	88.7
	Minimum	68	61	60	59	59	60	63	62	66	66	67	75	57	46	71	62	56	62	66	55	52	59	63	64	68	67	61	61	60	65	62	61.7
Dix Dam	Maximum	97	93	93	93	98	95	96	97	97	96	99	96	84	90	88	88	86	93	89	83	85	89	87	88	88	88	84	89	89	89	93	91.0
	Minimum	71	64	64	61	63	69	61	65	69	70	72	77	60	49	74	66	57	67	69	57	54	60	67	68	72	70	66	62	68	69	66	65.2
Eubank	Maximum	92	90	89	92	95	91	93	93	95	96	96	92	80	83	82	87	86	90	80	80	86	83	86	86	91	84	85	86	91	91	90	88.2
	Minimum	67	63	64	58	66	65	58	62	68	61	68	72	60	48	65	68	65	61	67	57	52	56	65	67	70	62	62	65	68	62	63	62.6
Frankfort	Maximum	94	92	88	92	96	91	94	99	96	96	99	95	80	93	86	90	85	92	86	84	86	89	88	88	91	86	81	89	89	90	92	90.0
	Minimum	63	64	60	59	62	66	59	62	68	68	69	75	58	47	73	62	55	64	69	55	52	53	62	64	68	71	65	59	59	66	63	62.8
Glasgow	Maximum	..	..	..	..	95	97	96	94	95	96	96	91	81	87	87	88	90	89	88	88	84	87	86	85	88	91	82	87	87	88	91	*89.2
	Minimum	..	..	..	..	57	64	65	67	69	71	71	75	64	53	72	66	60	62	68	56	52	56	67	67	72	70	66	66	69	69	65	*65.1
Greensburg	Maximum	89	94	91	92	93	92	92	91	96	91	88	86	81	89	84	87	87	89	89	82	81	84	84	87	88	86	78	82	85	87	92	87.6
	Minimum	68	62	62	59	56	63	61	65	68	67	67	71	59	47	70	61	60	56	67	68	50	54	66	64	68	67	65	63	64	64	62	62.5
Irvington	Maximum	95	90	80	93	99	95	96	98	99	99	100	96	84	94	90	89	86	92	82	83	86	87	89	90	89	87	80	87	93	93	94	90.8
	Minimum	70	65	60	66	61	67	63	66	67	68	69	72	58	49	67	60	57	63	65	57	54	65	65	64	69	69	65	59	60	67	64	63.3
Leitchfield	Maximum	95	97	93	94	97	94	97	99	98	95	97	95	82	88	85	87	88	92	84	82	83	87	88	84	88	89	82	88	88	88	90	89.6
	Minimum	72	67	65	68	64	64	63	67	69	69	70	72	62	52	67	61	64	62	67	55	55	59	68	66	69	69	65	63	64	68	64	64.5
Lexington	Maximum	93	92	90	92	96	92	97	99	96	98	94	90	81	85	89	87	91	90	84	87	89	91	87	89	86	82	88	89	89	92	99	89.9
	Minimum	70	65	64	63	64	68	63	67	69	70	72	64	56	52	68	62	58	65	61	58	54	61	64	67	71	66	65	59	61	67	67	64.9
Louisville	Maximum	92	92	88	92	93	90	94	95	94	92	98	90	80	89	87	87	81	91	80	81	84	86	86	86	89	84	80	84	87	88	91	88.1
	Minimum	76	73	68	66	71	72	69	73	73	72	76	69	63	59	73	67	62	69	65	61	62	62	71	70	72	72	67	61	65	73	72	68.6
Do. Bowman Field	Maximum	93	98	90	91	94	93	95	95	94	95	97	92	84	91	91	90	89	88	88	93	92	91	82	89	87	86	89	84	86	88	88	91	89.2
	Minimum	73	68	66	64	67	70	65	67	71	70	73	67	60	62	71	63	58	67	64	58	56	58	66	67	71	69	66	60	62	69	68	65.4
Mammoth Cave	Maximum	92	91	89	90	93	92	93	94	95	94	97	94	79	85	88	87	85	90	80	82	84	84	79	85	87	82	80	84	84	88	90	87.5
	Minimum	67	62	61	59	55	61	62	65	67	67	72	61	47	60	63	57	50	68	51	51	55	61	64	70	71	63	63	63	68	68	68	62.1
St. John	Maximum	95	94	91	92	97	95	95	94	98	96	98	93	81	88	86	89	86	91	89	82	88	87	87	89	89	88	85	88	85	87	91	89.6
	Minimum	68	64	64	61	60	61	63	64	67	66	68	71	59	50	69	61	56	60	68	56	57	58	65	62	66	71	68	60	62	67	66	63.7
Shelbyville	Maximum	91	91	88	92	97	92	95	99	100	97	100	95	82	93	88	89	83	94	87	83	85	90	90	86	86	80	83	87	89	91	91	90.1
	Minimum	67	61	58	58	60	63	58	60	65	67	67	71	52	44	68	58	54	62	64	54	50	50	60	61	67	67	61	55	57	63	62	60.2
Smith's Grove	Maximum	97	94	92	90	95	94	98	98	96	97	92	96	80	89	85	89	86	98	82	85	87	89	87	89	89	92	..	88	88	89	91	*90.6
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	88	71	68	60	64	61	60	59	59	67	67	71	67	..	67	68	68	68	*65.5
Stearns	Maximum	90	89	86	89	92	93	94	95	97	92	98	97	89	91	91	90	89	88	88	93	92	89	87	86	86	85	90	85	91	85	92	89	*87.7
	Minimum	67	67	64	65	64	67	64	69	68	66	68	68	57	53	69	66	61	58	62	58	55	60	64	67	67	66	65	65	66	64	68	64.0
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	90	90	88	90	94	89	91	96	91	94	99	93	83	89	86	88	86	89	90	80	82	90	90	91	90	88	80	80	89	90	92	88.0
	Minimum	70	65	63	66	67	64	62	67	69	69	69	75	55	52	72	60	60	65	68	58	57	58	66	67	68	73	63	56	57	67	68	64.5
Eastern Division.																																	
Annville	Maximum	91	90	89	91	94	91	92	96	95	93	95	96	82	85	86	87	91	88	86	85	89	88	83	88	90	85	81	88	85	86	90	88.9
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	92	90	87	89	92	90	89	94	93	92	95	88	76	90	86	85	89	77	77	80	85	87	90	86	90	87	89	81	87	90	91	87.1
	Minimum	70	65	64	60	63	64	66	69	66	67	70	76	55	48	73	60	54	61	67	60	52	59	62	64	71	71	67	66	67	68	69	65	65.3
Berea	Maximum	94	93	90	93	94	94	94	96	96	96	98	92	79	87	85	90	87	90	87	82	84	85	88	88	91	81	85	88	89	91	93	89.4
	Minimum	68	62	60	60	59	65	59	62	64	65	70	71	57	49	57	63	54	63	54	55	51	60	64	64	69	65	61	61	60	61	65	61.0
Farmers	Maximum	82	87	85	88	89	88	87	96	94	92	84	81	73	88	84	85	80	83	77	79	84	85	81	85	88	84	87	90	86	88	91	85.5
	Minimum	70	63	59	66	61	64	66	67	66	66	62	73	53	44	69	66	61	60	67	58	59	55	61	64	70	67	65	57	57	62	61	62.5
Heidelberg	Maximum	92	90	90	90	95	92	93	97	98	94	96	89	79	86	88	87	85	89	80	82	86	88	86	87	91	90	81	85	88	90	91	88.8
	Minimum	70	65	62	61	56	68	57	59	67	68	68	71	56	48	68	60	57	63	66	56	54	61	63	68	70	68	64	65	60	68	62	63.1
Lynch [near]	Maximum	77	74	73	76	78	78	78	79	79	80	79	78	75	74	72	72	76	75	72	71	72	73	72	78	75	76	75	77	76	74	76	75.6
	Minimum	67	56	59	62	60	62	60	61	65	61	68	69	49	50	59	51	53	55	52	55	53	58	60	59	59	59	57	61	60	58	59	58.0
Maysville	Maximum	91	89	86	91	93	89	90	95	93	91	97	87	78	88	84	85	81	82	82	79	82	88	87	86	89	87	79	80	89	88	92	87.0
	Minimum	71	65	69	61	65	62	66	70	68	66	74	66	57	54	68	64	61	69	56	54	55	61	65	71	70	64	66	66	66	66	66	66	66.2
Middlesboro	Maximum	92	92	92	91	93	92	94	97	96	96	96	90	80	90	85	90	92	89	83	86	86	84	87	87	88	84	84	85	86	90	..	*88.6
	Minimum	72	68	62	67	67	65	64	68	69	69	69	71	64	54	70	70	61	61	69	61	57	62	66	69	66	66	67	65	68	64	..	*65.7
Mount Sterling	Maximum	95	92	90	92	95	92	94	98	96	95	97	93	79	90	85	90	87	90	81	88	87	90	91	88	89	86	82	84	90	89	92	89.7
	Minimum	70	69	62	60	63	68	68	63	70	69	70	74	55	49	71	65	56	65	69	59	53	62	64	68	70	72	65	60	61	67	69	64.5
Pikeville	Maximum	94	93	94	94	96	95	97	98	97	98	96	95	83	91	88	89	89	91	84	90	92	93	90	88	89	94	84	87	92	91	95	91.6
	Minimum	68	65	66	61	63	70	66	61	67	67	61	66	52	52	66	66	56	66	64	55	55	63	63	67	67	65	62	62	67	66	67	65.0
Pippapass	Maximum	93	90	95	91	97	95	97	97	96	97	98	94	82	88	90	78	92	90	86	83	90	89	80	84	90	91	90	85	90	90	91	91.7
	Minimum	70	79	78	71	57	63	54	55	65	64	59	71	70	55	46	68	63	58	65	62	54	62	71	66	64	66	65	64	61	61	62	63.8
Quicksand	Maximum	93	90	91	90	95	92	94	97	95	96	96	92	78	88	82	88	87	91	78	82	88	89	89	89	89	91	82	85	90	91	92	89.4
	Minimum	72	68	62	62	59	64	58	58	65	67	61	70	54	50	66	66	67	62	64	57	55	61	68	66	70	68	66	64	60	66	65	62.7
Richmond	Maximum	97	93	90	91	97	91	92	96	97	97	97	94	77	85	83	85	88	88	77	80	80	85	88	80	87	88	80	87	88	87	96	90	*88.9
	Minimum	72	68	67	65	66	70	68	68	72	72	72	76	60	55	70	68	60	57	70	60	60	66	68	70	70	72	67	64	65	70	70	67.8
Williamsburg	Maximum	90	89	90	90	92	94	94	98	93	91	92	79	81	81	85	85	84	85	84	80	85	90	85	92	85	86	87	89	87	89	88	88.1
	Minimum	71	64	62	66	66	65	66	64	62	68	70	70	63	54	68	71	60	62	69	62	57	63	64	68	69	71	66	68	66	65	65	65.8
Winchester	Maximum	96	91	91	93	96	94	95	99	97	94	95	92	77	88	83	80	85	90	89	88	85	87	88	87	87	87	86	89	87	88	91	89.1
	Minimum	69	65	62	62	61	67	63	64	70	65	71	72	57	61	71	65	58	65	68	58	55	61	66	67	70	70	69	66	61	68	67	64.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*,**,* etc. indicate respectively 1, 2, 3 etc., days missing from record.

W B O Louisville. 9-27 41 1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

13 KENTUCKY SECTION.

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., SEPTEMBER, 1941 No. 9

GENERAL SUMMARY.

Heavy rains occurred in several extreme northern counties and moderate rains in central districts in the first week. In the southern half of the State, the rainfall was light, scattered, and usually of little consequence throughout the month. Moisture received in northern districts, and remaining from preceding rains, was sufficient to maintain the growth of late crops. In the southern counties the soil became too dry by the middle of the month, after which crops in that section suffered from diminishing growth and premature ripening. Pastures held up fairly well in the extreme north until near the end, but deteriorated steadily in central and southern areas. The adverse effects of the dry weather were accentuated by prevailing high temperature and much more than the average sunshine.

Late corn matured rapidly and cutting of this part of the crop was far advanced by the end of the month. The dry weather reduced the size of cars and prevented complete filling, especially on the uplands and hills. Much early corn in shock or standing became dry enough to be cribbed. After the showers of the first week, the weather interfered very little with tobacco cutting. Except for a few humid days with high temperature early in the month, curing in barns advanced with unusual rapidity. The dry weather reduced the size of late tobacco, but resulted in more general and speedy ripening, with improvement in quality.

By the last week the growth of late potatoes had practically ceased. The drought also reduced decidedly the development of late soybeans, lespedeza, alfalfa, and other late hay; but the thorough curing produced hay of fine quality. The weather favored the gathering of fruit and picking of cotton.

Preparation for fall seeding and the sowing of grains for pasture were increasingly hindered in the last two weeks. Incomplete germination occurred in fields sown in central and southern districts near the middle of the month. Toward the end the soil became generally too dry to sprout the grain or to maintain growth. In the drier central and western districts some sprouted grain died because of moisture deficiency and the mid-summer heat. Serious water shortage in the uplands began to threaten the supplies of some towns. Farmers were hauling water for several miles for the use of livestock. Light frost on the morning of the 27th caused little damage.

TEMPERATURE.

Temperature averaged considerably above normal in the first nine days and from the 14th to 24th. Maximum temperatures in the 90's were registered quite frequently throughout the month. As a rule the 8th and 9th were the warmest days, with mean temperatures 10° to 12° above normal and maxima of 95° or higher. Subnormal temperatures prevailed in the periods 10-12th and 25-27th. Temperatures in the 30's were registered at several stations on the 27th. Extremes for the State were 99° on the 1st at Russellville and 34° on the 27th at Beaver Dam.

PRECIPITATION.

Precipitation averaged about 40 per cent of the normal amount for this month. It was deficient in all districts. Areas of considerable size in the south-central and western parts of the State were especially dry. These districts received amounts ranging from a trace to 0.5 inch. Several southeastern counties and scattered central and northern localities had 2.0 inches of rain or slightly more. In the remainder of the State, which included most central and western districts, the rainfall ranged from 0.5 inch to 1.5 inches. For the State precipitation varied between a trace at Earlington and 2.90 inches at Hazard. Most of the rain fell in the period 2d-6th. Local showers that were light to moderate occurred daily from the 7th to 11th. There were light and widely scattered showers in the period 17-18th, 24-25th, and 28-30th. A few stations reported 1.0 inch or more on the 2d and 3d. Days with thunderstorms were: 1, 2, 3, 4, 5, 6, 7, 8, 9, 17-30.

MISCELLANEOUS.

September.—High winds, caused by the passing of the remnant of the Texas hurricane, damaged shade trees and utility lines in Louisville and vicinity. In the apple orchards of the western counties from 26 to 50 per cent of the fruit remaining on the trees was blown off and damaged by bruising.

Rivers.—Pool stages prevailed in all streams of the State, while the smaller headwater tributaries were dry or very low.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity			Percentage of possible sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	
Cairo ..... Ill.	30.04	30.40	29	29.33	21	7.7	29	se.	24	81	51	.	82
Cincinnati ..... Ohio	30.09	30.44	29	29.47	25	6.5	31	sw.	25	80	46	58	78
Evansville..... Ind.	30.05	30.41	29	29.31	25	8.1	42	sw.	25	84	45	54	89
Louisville ..... Ky.	30.07	30.41	29	29.41	25	8.4	45	sw.	25	82	45	52	86

COMPARATIVE DATA FOR SEPTEMBER.

Year.	Temperature.			Precipitation		Number of days		
	Mean.	Highest.	Lowest.	Average.	Average snowfall	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	72.1	101	36	1.23	..	..	..	..	..
1890	67.0	95	36	2.71	..	..	..	..	..
1891	69.5	97	42	1.89	..	..	..	..	..
1892	68.5	93	38	2.68	..	..	..	..	..
1893	69.6	99	35	3.24	..	..	..	..	..
1894	71.7	98	37	2.71	..	..	..	..	..
1895	73.4	101	27	1.10	0	..	19	8	3
1896	68.6	100	30	3.77	0	3	14	9	7
1897	72.8	105	31	0.21	0	1	26	4	0
1898	73.4	103	42	4.36	0	1	17	8	5
1899	68.7	105	27	1.66	0	9	18	8	4
1900	74.6	102	35	2.25	0	5	15	9	6
1901	68.1	98	33	3.57	0	6	18	7	5
1902	67.3	97	29	4.01	0	6	13	7	10
1903	69.1	100	32	0.91	0	10	21	6	3
1904	71.1	99	34	2.58	0	4	15	7	8
1905	70.2	95	36	2.61	0	8	16	6	8
1906	73.0	95	45	6.15	0	6	11	7	12
1907	69.1	102	35	3.00	0	13	17	5	8
1908	71.6	101	30	1.63	0	6	18	8	4
1909	67.7	97	32	2.51	0	3	16	7	7
1910	71.8	99	38	4.41	0	6	14	8	8
1911	74.3	99	46	3.71	0	9	13	8	9
1912	71.0	103	33	2.80	0	10	18	6	6
1913	69.6	106	29	2.49	0	7	11	7	12
1914	67.8	97	36	2.96	0	9	18	6	6
1915	70.7	99	32	3.32	0	6	17	8	5
1916	67.2	98	32	3.48	0	7	20	5	5
1917	67.7	98	34	2.56	0	6	18	7	5
1918	62.8	92	30	2.94	0	5	15	6	9
1919	71.5	102	40	1.69	0	8	20	6	4
1920	70.8	96	38	3.30	0	4	14	8	8
1921	75.5	99	45	5.37	0	9	10	11	9
1922	72.7	103	39	2.22	0	13	20	6	4
1923	66.8	94	30	2.87	0	5	15	7	8
1924	65.3	97	35	4.49	0	8	14	7	9
1925	77.2	110	45	2.83	0	10	15	7	8
1926	73.5	98	40	3.78	0	9	14	8	8
1927	72.2	103	30	2.87	0	6	16	9	5
1928	65.5	99	24	0.81	0	3	20	6	4
1929	69.5	97	35	4.69	0	11	13	8	9
1930	72.6	101	38	2.46	0	8	13	9	8
1931	75.1	103	36	2.74	0	5	20	6	4
1932	69.5	103	34	3.66	0	8	16	6	8
1933	74.3	98	40	5.03	0	9	17	6	7
1934	69.2	95	39	4.82	0	10	13	9	8
1935	68.3	99	31	2.75	0	5	21	4	5
1936	74.1	101	41	3.57	0	7	12	10	8
1937	67.8	98	29	1.84	0	5	16	7	7
1938	70.3	101	37	3.52	0	8	14	9	7
1939	74.5	105	39	1.26	0	3	21	5	4
1940	66.7	100	29	1.97	0	3	21	5	4
1941	73.1	99	34	1.16	0	5	18	8	4
Period †	70.6	110	27	2.88	0	7	16	7	7

†53 year averages.

Climatological Data for September, 1941.

Stations.	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days					Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
Western Division.																				
Beaver Dam	Ohio	441	29	73.0	+ 2.1	97	8†	34	27	53	0.75	−1.93	0.50	0	2	17	8	5	sw.	Eldred G. Young.
Calhoun	McLean	487	37	*75.2	+ 3.3	96†	9	46†	20	46†	0.12	−2.96	0.05	0	3	23	0	7	.....	R. C. Bennett.
Earlington	Hopkins	420	47	74.9	+ 2.7	96	1†	37	27	51	T.	−2.87	T.	0	0	24	5	1	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	0.49	−1.90	0.16	0	6	..	..	..	.....	Lockmaster.
Gilbertsville	Marshall	481	2	.....	.....	.....	.....	.....	.....	.....	1.05	.....	0.47	0	6	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	*72.8	+ 1.7	95*	9	37*	27	49*	0.69	−1.88	0.69	0	1	23	5	2	s.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	1.41	.....	0.89	0	7	20	9	1	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	74.0	.....	97	20	36	27	50	0.40	−3.06	0.12	0	5	16	13	1	sw.	George Street.
Hopkinsville	Christian	524	45	74.0	+ 1.8	95	8†	38	27	50	0.77	−2.39	0.60	0	2	23	7	0	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	75.9	+ 4.9	96	20	37	27	49	1.07	−3.14	0.40	0	6	19	10	1	s.	Blaine Malone.
Mayfield	Graves	364	32	75.6	+ 3.4	96	30	41	27	45	0.48	−2.80	0.25	0	5	19	11	0	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	75.2	+ 3.5	94	30	42	27	42	1.14	−3.14	0 62	0	4	10	6	14	s.	Ralph B. Wear.
Owensboro	Daviess	420	44	72.3	+ 1.9	94	30	37	27	46	1.93	−1.31	0.81	0	5	19	6	5	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	1.64	−1.89	0.78	0	6	.....	.....	.....	.....	Lockmaster.
Paducan	McCracken	341	21	75.5	+ 1.1	95	1	42	27	42	1.09	−2.18	0.53	0	5	15	11	4	.....	Joe Lagore.*
Princeton	Caldwell	529	34	74.7	+ 2.9	95	30	39	27	46	0.25	−3.09	0.17	0	5	19	8	3	s.	S. J. Lowry.
Ramsey, Lock 2	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	0.29	−2.90	0.19	0	4	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	*75.0	+ 3.1	99*	1	47*	20	41*	0.79	−2.28	0.74	0	3	20	5	5	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	0.58	−4.12	0.29	0	6	.....	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	552	13	.....	.....	.....	.....	.....	.....	.....	2.85	−0.70	1.80	0	4	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	71.5	+ 2.6	94	9	38	27	44	1.19	−1.63	0.56	0	4	21	6	0	sw.	C. E. Barret.
Bowling Green	Warren	500	45	75.5	+ 3.1	96	8	46	27	40	0.10	−3.29	0.10	0	1	23	1	6	.....	Mrs. Lillie G. Causey.
Brownsville, Lock 6	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	0.35	−2.89	0.29	0	3	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	1.28	−2.39	0.80	0	6	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	1.06	−2.04	0.35	0	7	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	.....	.....	96	9	.....	.....	.....	0.41	.....	0.33	0	2	22	6	2	.....	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	1.12	−2.77	0.81	0	6	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	72.2	.....	95	8†	40	27	45	0.68	−2.84	0.29	0	6	23	6	1	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	74.2	+ 2.3	95	1†	43	27	42	0.96	−2 38	0.57	0	5	15	10	5	w.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	1 03	.....	0.88	.....	5	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	72.3	+ 3.3	94	1†	45	22	44	0.18	−2.31	0.11	0	3	13	11	4	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	72.1	+ 2.6	95	8†	39	27	45	0.66	−2.10	0.30	0	3	18	10	2	sw.	Lockmaster.
Gest, Lock 8	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	1.20	−1.94	0.63	0	4	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	11	74.4	+ 1.5	95	9	38	27	47	0.37	−2.88	0.10	0	7	16	14	0	e.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	1.31	−2.17	0.42	0	6	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	72.0	+ 2.2	92	1	41	27	47	0.69	−2.60	0.52	0	3	10	5	15	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	0.71	−2.19	0.37	0	4	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	72.4	+ 1.8	90	9	36	27	51	2.14	−0.76	1.54	0	7	19	9	2	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.63	0	6	20	7	3	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	1.11	−1 82	0.30	0	5	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	73.3	+ 3.1	95	9	42	27	42	0.70	−2.77	0.38	0	4	15	9	6	sw.	D. Lem Hughes.
Lexington	Fayette	969	57	73.6	+ 5.1	96	2	45	27	39	0.67	−2.40	0.26	0	8	19	10	1	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	0.93	−2.29	0.39	0	5	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	1.55	−1 53	0.54	0	6	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	74.2	+ 3.7	95	9	48	27	34	0.64	−2.14	0.38	0	5	19	11	0	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	72.4	.....	95	9	41	27	42	1.41	.....	0.31	0	7	..	..	..	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	71.6	.....	93	7†	36	27	48	0.49	.....	0.29	0	5	19	5	6	sw.	Ivau J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	1.21	.....	0.76	0	4	15	7	8	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	0.67	−2.01	0.33	0	5	.....	.....	.....	.....	Chester Williams.
st. Joun	Hardin	777	45	72.6	+ 2.6	96	1	35	27	48	0.75	−2.30	0.45	0	5	15	6	9	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	2.68	−0.38	1.73	0	7	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	71.2	+ 1.6	95	8	37	27	46	0.73	−2.11	0.28	0	3	15	0	15	se.	Willa S Ratts.
Smith's Grove	Warren	607	3	*73.9	.....	96*	9	40*	27	44*	0.19	.....	0.15	0	2	12	11	7	.....	C. W. Guernsey.
Stearns	McCreary	1400	5	71.5	.....	92	1†	43	27	40	1.86	.....	0.98	0	4	14	12	4	sw.	Airway Station.
Taylorsville	Spencer	189	35	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Thad. Cheatham, Sr.
Tyrone, Lock 5	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	0.39	−2.60	0.18	0	5	.....	.....	.....	.....	Lockmaster.
Williamstown	Edmonson	943	38	72.8	+ 3.6	94	9	46	26†	36	1.33	−1.30	0.52	0	7	24	1	5	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	0.29	−2.41	0.15	0	3	.....	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	.....	.....	92	30	36	27	50	0.55	.....	0.40	0	2	.....	.....	.....	.....	Robert Johnston.
Ashland	Boyd	534	24	71.4	+ 0 9	95	9	45	27	41	1.03	−1.44	0.38	0	5	16	7	7	sw.	Lockmaster.
Berea	Madison	1070	38	73.4	+ 3.5	95	1	41	27	41	2.40	−0 54	1.58	0	6	11	11	8	s.	D. H. Center.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	1.36	−1.46	0.64	0	6	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	2 19	−1.19	0.53	0	7	.....	.....	.....	.....	S. M Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	1.74	−0.88	0.56	0	6	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	70.4	+ 2.1	91	9	36	27	46	2.40	−0.32	0.76	0	8	15	8	7	w.	Mrs. Corda C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	0 85	−2.50	0 61	0	4	..	..	..	.....	C. A. Glascock
Ford, Lock 10	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	0.48	−2.59	0 27	0	3	..	..	..	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	1.30	−0.88	0.48	0	4	..	..	..	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	1.56	−0.92	0.71	0	5	..	..	..	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	2.90	−0.30	0.70	0	8	..	..	..	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	71.5	.....	95	8†	40	27	24	1.28	−1.86	0 51	0	5	17	6	7	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	2.51	.....	1.22	0	5	..	..	..	.....	Jas T Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	2.39	−0 55	0.85	0	8	..	..	..	.....	R. J Howard.
Louisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	2.80	+0 21	1 07	0	4	..	..	..	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	62.6	.....	85b	2†	41b	20	30b	2.50	.....	1 04	0	4	19	9	2	s.	James S. Allen.
Maysville, Dam 33	Mason	524	43	70.5	+ 0.8	93	8†	43	27	41	1.88	−1.01	0.74	0	7	15	13	2	e.	Lockmaster.
Middlesboro	Bell	1128	42	*71.2	+ 1.6	90a	2†	43a	14	38a	1 31	−1 83	0.93	0	3	21	8	1	..	Matthew Woodson
Mount Sterling	Montgomery	930	48	73 4	+ 5.2	96	1	43	27	42	0.95	−2.19	0.83	0	2	17	13	0	se.	W. R McKee.
Oneida	Clay	800	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	1.61	−1.68	0.68	0	5	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	1.85	.....	0.84	0	5	..	..	..	.....	E. C Fraley.
Pikeville	Pike	636	5	72.6	.....	93	9	46	20†	42	2.38	−0.58	0 98	0	9	12	10	8	e.	U. S Weather Bureau.
Pippapass	Knott	1035	7	71.0	.....	95	21	42	21	51	2.35	.....	0.56	0	9	16	5	9	.....	Cener Run Com. Cen.
Quicksand	Breathitt	732	15	72.6	+ 1.6	97	8	43	28	50	2.04	−1 81	0 60	0	5	..	..	..	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	1.28	−2.28	0.57	0	5	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	41	74 8	+ 3.7	94	9	48	27	37	0.64	−2 31	0.40	0	7	21	5	4	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	1.03	−2 38	0.40	0	6	..	..	..	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	1.61	−1 00	0.55	0	6	..	..	..	.....	Lockmaster.
Williamsburg	Whitley	939	14	72.2	+ 1.4	92	1†	47	27	40	1.12	−1 40	0 52	0	6	23	7	0	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	0.95	−2.11	0 50	0	5	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	73.4	.....	95	1	44	27	40	0.87	.....	0 41	0	4	8	21	1	.....	Airway Station.
State averages and extremes	...	...	...	73.1	+ 2.5	99	1	34	27	53	1.16	−1.72	1.80	0	5	18	8	4	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. †Ramsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for September, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
ayer Dam G				.50						.25																						0.75
lhoun G			.02	T.		.05				.05																						0.12
rlington [2] G										T.																						T.
rds Ferry Dam 50 [3] O		.04	.16	.08			.10			.02	T.														.09			T.				0.49
bertsville [3] T		.20	.47	.03		T.	.25			T.															.03			.07				1.05
eenville G				T.		T.				.69																		T.				0.69
rtford G		.15	.31	.09	T	T.				.80							T.							.01			.04	.01				1.41
nderson O		.02	.09			.06																			.11			.12				0.40
pkinsville [3] C				.60						.17																						0.77
velaceville M					.07	.30			.08															.10				.40	.12			1.07
rray [2] T		.62	.09		.40	.03				T															.16			T.				0.44
ensboro [2] O		.81	.55	T.			.08			.36							T.											T.				1.14
ensboro, Dam 46 [3] O		.33	.78	.01			.05			.30																			.13				1.58
duceah [2] O	T.	.05	.03	T.			.53			T.	T.														.15				.33				1.09
inceton G		.17	.02			.03				.01																			.02				0.25
nsey, Lock No. 2 [3] G		.19						.02			.03																		.01				0.25
ssellville [2] G				.03						.74																			.02				0.79
ontown, Dam 49 [3] O		.03		.29			.19			.02															.08				.02				0.56
Central Division																																
dison, Dam 45 [3] O		.15	1.80	.05		T.				.25																			.10				2.35
chorage O		.22	.15	.26	.56					.07																							1.19
wling Green [3] G			T.		T.					.10																							0.10
wling Green No. 2 [3] G			T.	T.		.03				.07																			.04				0.14
owansville, Lock No. 6 [2] G						.29				.01																			.03				0.33
rnside [2] C			.80	.20		.10					.04														.06				.03				1.23
rrollton Lock No. 1 [3] K		.05	.02	.20		.11		.25		.35																			.06				1.06
rmont S						.33				.08																							0.41
d Spring, Dam 36 [3] O		.02	.08	.13	T.	.81		.03		T.	.05						T.											T.				1.12
nville [2] K			.03	.21	.14	.13					.03														.06				T.				0.68
dsville [2]		.23	.11	.57																				.02				.03				0.96
bank C			.88	.02		.03																			.05				.05				1.03
nkfort, Lock No. 4 [3] K			.02	.06	.11																												0.19
st, Lock No. 3 [2] K			.16	.30	T.	.20		T																					T.				0.66
sgow G		.17	.03	.37	T.	.68		T.			T																		T.				1.20
unt, Dam 33 [2] O		.02	.01	.08		.05					.09														.02				.10				0.37
ensburg [2] G		T.	.34	.38				.42		.05	.07						.05	T.															1.31
h Bridge, Lock No. 7 [2] K			.05	T.	.12	.52																											0.69
lington K	T.	.04	.08	.16	.16	.37																											0.71
Grange O		1.54	.02	.12	.27	.02				.13																							2.14
ncaster [2] K		.63	.23	.17	.58					.02																		.04	T.				1.76
tchfield [2] G		.30	.25	.08	.29									.19														.13					1.11
dington [2] K	T.	.04	.11	.02	.13		.03		T.	.38																			.07				0.70
tle Hickman, Lock No. 8 [2] K				.20		.30		.06	.28																.03		.05						0.67
ckport, Lock No. 2 [2] K		.56		.41		.54		.15	.06																	.07							0.91
DISVILLE [1] O	.12	.02	.05	T.	.38	T.			.07	T.							T.								T.			T.		T.			1.55
Do. Bowman Field O	.34	.01	.71	.08	.23	T.			.02	T.																							0.64
mmoth Cave [2] G			.09	.03	.06	.29				T.															T.			.02	T.				1.41
nticello [2] C			.76								.15													.15					.02				0.49
nfordville [2] G					.10	.33	.03																		.12					.15			1.21
John [2] S		.02	.45	.04						.18																		.06	.07				0.67
visa, Lock No 6 [2] K		.12	1.78	.41	.03	.29				.03																			T.				0.75
lbyville [2] S			.25	.28	.20																								T.				2.68
ith's Grove [**] G		T.		.15	.04					T.																							0.73
arns [**] C		.98			.04					.67																			T.	.17			0.19
rlorsville S																																	1.86
one, Lock No. 5 [2] K	T.	.05	.05	.07	.18				T	T.							T.												.04				0.39
lamstown [2] L		.10	.05	.08	.05	.50		.52			.03																						1.33
odbury, Lock No. 4 [2] G					.12					.15																			.02				0.29
Eastern Division																																
nville [2] C		.40		T.						.15																			T				0.55
land [2] O		.02		.23		.24		.38		.13																							1.00
ea L		1.58	.18	.02	.53					.08																			.01				2.40
lege Hill, Lock No. 11 [2] K		.05	.09	.02	.06	.64											T.																1.86
thiana [2] L		.53	.37	.39	.07	.43		.26		.14								.50																2.19
mouth [2] L		.14	.05	.05		.50		.56																					T.				1.74
mers [2] L		.76	.02	T.	.79		.19	.58		.03								.44							.01				.02				2.40
d, Lock No. 10 [2] K		T.	.07	.14		.61																				.03							0.85
yson [2] O		.42	.12	.48	.07	.27				T.															.09			T					0.43
eunp, Dam 30 [2] O		.08	.02	.08		.67		.71																									1.33
ard [2] K			.35	.30	.06	.70		.36		.36	.53						T.																1.66
dulberg, Lock No. 14 [2] K			.45		.18	.51					.14														.05				.24				2.90
kson [2] K			1.22	.48		.50	T.				.28														T.			T.	.03				1.28
kins [2] B			.23	.85	.04	.40		.14			.48																							2.51
isa [2] B				.78		.66				1.07	.29															.05			.20				2.39
nch [near] C				1.81	.04					.98																							2.80
ysville, Dam 33 [2] O		.05	.57	.11	.07	.74		.21		.13															T.				.30				2.50
dlesboro C				.93						.10															T.			T					1.88
unt Sterling L		.16			.83																				.28								1.31
eida [2] † K																																	0.99
souta, Dam 35 [2] O		.07	T.	.68	.04	.40		.33		T.															T.				T.				1.61
ntsville [2] B		T.	.11	.84		.37		T.		.29	.24															T.								1.85
eville [**] B		.16	.22	.30	.27		.27		.04	.08															.02			T.	.13				2.38
papass K		.50	.03	.55	.48	.04	.36			.22															.02				.09				2.35
cksand [2] K			.56	.20		.60		.09			.59																							2.04
enua, Lock No. 12 [2] K		.04	.16	.57	.11	.40																				T.							1.28
hmond [2] K		.02	.03	.05		.40				.10															.02				.02				0.64
ley View, Lock No. 9 [2] K		.03		.40	.06	.38			.12																.07			T.					1.03
iceburg, Dam No. 32 [2] O		.32	.10	.12	.02	.55		.53																									1.64
liamsburg [3] C			.36	.30	.48	.36					.52																		.10				2.12
low, Lock No. 13 [2] K			.50		.10		.15	.15																	.05								0.85
chester [**] K			.02	.06	.41																				.08			T.					0.57

xcept as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning:
mount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville, Ky.;
ock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K)
entucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.
**Airport station. Data for 24 hours ending at 12.30 a. m., 90th meridian time adjusted to day they occur.

Daily Temperatures for September, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	96	96	92	91	87	86	96	97	97	81	75	82	88	91	91	94	93	92	90	91	89	93	94	93	83	75	87	93	80	95	..	89.6
	Minimum	68	68	70	70	71	60	69	67	70	43	48	48	61	56	60	57	61	65	48	46	63	47	47	50	63	43	54	53	58	53	..	56.4
Calhoun	Maximum	95	93	90	89	88	85	95	96	90	83	93	94	89	92	93	94	93	91	93	90	85	96	92	..	..	..	..	..	..	..	..	..
	Minimum	65	68	70	70	72	63	69	67	61	62	56	47	48	52	64	59	62	65	52	46	50	50	50	52	..	..	..	..	..	..	..	[1]58.9
Earlington	Maximum	96	96	92	91	90	87	95	96	96	83	80	87	89	90	91	96	92	92	96	93	91	94	92	92	83	80	88	91	78	95	..	90.0
	Minimum	72	72	73	73	75	66	73	69	70	67	48	51	53	63	68	64	64	64	65	50	46	56	50	50	50	46	42	37	54	64	54	59.8
Greenville	Maximum	93	90	90	89	..	87	93	93	95	88	79	80	90	90	92	92	90	90	89	94	90	90	94	93	85	75	86	92	82	95	..	[2]89.2
	Minimum	69	69	70	71	..	62	70	65	61	61	49	48	51	56	68	58	62	64	50	44	53	48	47	49	66	42	37	53	61	50	..	[2]56.5
Henderson	Maximum	93	91	87	88	89	79	93	98	94	86	83	84	89	89	91	94	94	92	93	97	93	96	96	91	84	77	85	85	77	89	..	89.1
	Minimum	71	68	71	71	74	66	69	68	68	60	51	47	58	60	60	61	65	66	61	47	57	60	52	64	60	41	36	56	57	54	..	58.8
Hopkinsville	Maximum	93	92	92	89	88	88	94	98	95	87	78	83	88	90	91	92	89	90	90	92	88	92	91	92	88	74	88	91	78	94	..	88.8
	Minimum	68	69	70	70	71	61	69	67	66	67	54	54	64	58	60	59	64	66	56	50	53	50	53	57	58	43	38	57	51	55	..	59.3
Lovelaceville	Maximum	95	95	89	90	90	89	93	95	95	88	80	84	92	93	98	94	92	92	93	96	92	92	94	92	81	77	91	91	78	93	..	90.1
	Minimum	70	70	72	71	70	65	73	68	68	61	62	57	72	64	65	62	66	66	68	50	55	50	53	54	64	39	37	77	53	59	..	61.7
Mayfield	Maximum	94	91	89	89	87	90	92	93	94	87	81	86	89	92	91	93	89	92	93	94	90	92	94	91	84	75	86	92	79	96	..	89.5
	Minimum	71	71	71	70	70	65	72	68	71	62	62	53	60	63	65	65	64	69	69	57	60	56	56	59	64	44	41	60	54	63	..	61.8
Murray	Maximum	93	87	87	88	86	85	92	92	92	81	79	82	87	86	89	87	92	81	91	91	86	89	90	90	88	71	84	90	85	94	..	87.0
	Minimum	70	73	72	72	76	66	73	70	71	69	53	63	65	63	66	66	69	70	61	61	66	56	60	55	66	42	42	67	54	68	..	63.5
Owensboro	Maximum	91	90	87	87	86	82	91	91	93	76	78	79	86	87	88	90	87	88	86	89	89	89	89	91	76	71	83	76	74	94	..	85.5
	Minimum	67	68	70	70	70	61	68	67	66	65	54	52	63	59	62	61	63	65	67	66	55	50	50	58	65	41	37	52	50	62	..	59.1
Paducah	Maximum	95	90	87	88	88	85	92	92	93	85	80	83	89	88	90	91	91	90	90	91	88	90	91	90	83	76	84	88	77	91	..	87.9
	Minimum	73	73	73	71	73	66	73	71	71	62	57	68	62	64	67	66	68	70	63	56	60	56	58	57	65	47	42	59	52	60	..	63.1
Princeton	Maximum	94	90	88	88	87	85	91	93	93	75	79	82	87	87	89	92	91	90	90	94	89	91	92	90	85	76	85	91	76	95	..	87.8
	Minimum	72	70	73	72	74	65	72	70	70	63	61	52	57	63	67	64	65	67	54	50	61	53	65	57	65	42	39	59	54	63	..	61.3
Russellville§§	Maximum	99	94	91	92	91	93	98	98	98	74	89	82	89	89	90	94	88	90	89	95	88	92	92	94	92	89	..	94	77	96	..	[3]90.4
	Minimum	68	70	70	71	71	62	67	67	68	67	51	49	55	57	56	61	60	66	52	47	48	51	68	56	57	56	60	..	57	54	..	[3]59.6
Central Division.																																	
Anchorage	Maximum	90	88	86	86	86	82	90	92	94	82	75	76	86	87	87	90	88	86	85	87	88	90	90	92	78	69	82	72	87	93	..	85.4
	Minimum	69	69	69	70	71	64	65	64	69	58	58	47	51	54	59	54	62	61	54	54	55	49	49	51	62	41	38	52	54	60	..	55.6
Bowling Green	Maximum	94	89	90	90	89	88	95	96	95	84	80	82	89	90	88	90	89	91	89	87	86	89	89	89	85	78	86	92	81	92	..	88.4
	Minimum	71	73	72	73	74	66	72	71	72	69	56	55	57	59	61	60	60	68	70	58	66	58	56	56	69	52	46	58	58	58	..	62.6
Clermont	Maximum	94	94	93	91	90	91	86	94	96	83	82	72	84	91	92	94	94	86	92	92	94	92	94	96	95	79	76	86	92	76	..	88.5
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Dauville	Maximum	94	89	89	88	90	88	92	95	95	85	76	77	85	87	88	90	91	89	86	87	87	89	89	91	80	72	85	91	76	94	..	87.2
	Minimum	67	66	67	69	71	65	65	66	67	64	53	47	49	52	56	54	61	62	50	51	54	49	47	50	66	49	40	53	54	52	..	57.2
Dix Dam	Maximum	95	93	88	87	90	87	93	95	95	90	77	77	86	88	90	91	92	89	88	89	88	90	90	92	89	78	85	91	77	94	..	88.5
	Minimum	71	70	70	71	72	65	66	68	72	68	54	51	51	65	60	57	62	64	52	56	55	51	50	52	71	50	48	56	58	54	..	58.9
Eubank	Maximum	94	91	91	86	90	86	91	93	94	86	78	86	87	90	90	91	86	88	84	90	88	88	91	90	82	85	91	78	92	..	..	88.1
	Minimum	66	66	66	67	70	65	64	65	67	68	66	50	50	48	64	56	61	60	47	50	46	46	47	49	54	52	47	47	55	51	..	56.5
Frankfort	Maximum	94	93	90	88	90	89	93	95	95	89	76	75	87	89	91	94	88	88	86	90	93	91	90	94	86	76	84	80	75	95	..	88.0
	Minimum	68	69	68	71	74	62	63	65	67	65	50	48	46	53	56	53	60	58	48	51	50	49	47	49	66	47	39	44	52	60	..	56.2
Glasgow	Maximum	94	93	91	91	88	87	93	94	95	90	81	81	87	86	89	93	93	92	92	91	90	92	90	90	90	78	85	91	80	93	..	89.3
	Minimum	69	70	69	74	74	63	69	70	72	67	55	51	53	58	59	68	68	69	51	51	51	48	46	50	70	41	38	51	57	58	..	59.5
Greensburg	Maximum	92	91	85	85	83	84	87	90	90	88	74	76	81	87	84	87	87	86	84	83	82	84	87	87	77	88	82	79	88	..	..	84.6
	Minimum	71	72	71	70	73	64	68	69	72	72	55	65	55	55	61	58	65	70	51	52	52	50	49	51	52	51	41	45	59	58	..	59.4
Irvington	Maximum	94	91	92	88	87	86	91	94	96	84	78	79	91	92	91	90	88	89	87	91	91	90	92	95	79	72	87	90	79	94	..	88.0
	Minimum	69	68	68	69	70	60	66	68	68	69	48	56	50	56	61	58	62	60	52	50	55	49	49	53	60	41	36	54	51	51	..	56.9
Leitchfield	Maximum	92	92	89	89	88	86	92	94	95	88	79	78	86	88	88	92	89	89	87	88	87	89	90	93	83	75	84	91	77	94	..	87.7
	Minimum	67	70	69	69	71	64	68	67	68	66	49	50	54	55	60	58	64	64	52	53	54	52	53	65	67	44	42	51	54	55	..	58.9
Lexington	Maximum	95	96	91	87	90	90	92	95	96	80	77	77	86	88	91	93	93	89	89	90	90	91	92	92	78	74	84	91	77	94	..	88.3
	Minimum	71	70	70	70	68	64	66	70	72	56	51	47	51	56	60	59	66	59	54	59	58	50	53	55	57	47	45	55	52	56	..	58.9
Louisville	Maximum	90	90	88	87	86	85	91	94	95	73	76	76	86	87	88	90	84	87	86	90	89	89	90	90	80	71	82	86	70	92	..	85.6
	Minimum	74	73	73	73	71	68	71	73	73	59	57	55	58	61	67	65	70	64	58	60	61	60	60	61	66	52	48	58	59	56	..	62.9
Do. Bowman Field	Maximum	92	91	89	87	81	84	91	93	95	78	79	77	88	89	90	90	87	87	86	90	90	90	90	93	81	72	83	86	71	94	..	86.4
	Minimum	72	71	70	71	70	64	68	69	71	53	58	48	51	60	64	60	65	61	54	54	55	52	51	54	56	46	41	55	51	45	..	58.4
Mammoth Cave	Maximum	92	91	86	87	88	84	93	93	93	86	79	78	86	86	88	90	88	88	83	87	85	86	88	84	76	73	84	91	77	93	..	86.1
	Minimum	68	68	68	72	71	62	67	66	69	62	51	49	51	58	61	54	62	60	50	49	51	47	45	48	66	44	36	51	54	51	..	57.2
St. John	Maximum	96	92	87	88	88	86	95	95	93	91	76	87	88	89	94	88	90	87	89	90	89	90	91	92	80	74	84	92	79	96	..	88.2
	Minimum	68	67	67	72	72	58	63	62	66	63	50	47	51	55	59	52	58	62	59	50	60	47	46	51	66	36	35	44	59	60	..	55.8
Shelbyville	Maximum	93	92	88	88	86	86	92	95	94	88	77	76	87	88	90	93	90	88	86	90	90	92	94	95	85	78	83	89	76	94	..	87.8
	Minimum	66	66	66	68	67	58	62	64	67	62	46	43	44	52	58	52	61	55	48	50	51	49	48	50	66	41	37	47	48	49	..	54.7
Smith's Grove	Maximum	91	91	90	91	90	89	95	95	96	78	81	83	89	90	91	92	92	90	90	89	88	90	91	..	78	75	84	92	76	93	..	[4]88.3
	Minimum	68	69	69	72	68	64	68	68	70	55	54	54	60	57	59	58	61	70	59	55	55	52	51	..	70	46	40	50	56	57	..	[4]59.5
Stearns	Maximum	92	91	89	87	88	86	89	92	92	90	74	81	87	84	87	85	85	82	80	85	85	85	85	90	76	68	80	86	71	91	..	84.9
	Minimum	67	68	66	66	65	63	65	66	69	62	55	49	54	56	56	57	62	60	52	57	54	49	51	52	61	52	48	51	58	66	..	58.1
Taylorsville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Williamstown	Maximum	93	89	90	85	92	87	86	90	94	80	72	71	84	85	88	91	87	89	89	85	85	85	87	91	86	74	80	86	78	91	..	85.7
	Minimum	72	69	69	70	72	64	65	68	72	66	61	47	49	56	62	60	66	57	54	56	54	56	61	55	70	46	44	58	49	54	..	59.8
Eastern Division.																																	
Annville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	89	89	86	85	87	89	91	85	72	83	91	83	92	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	65	66	41	42	41	45	59	50	50	36	41	58	48	.....
Ashland	Maximum	93	89	90	88	91	88	85	94	95	89	74	72	80	84	88	90	89	89	88	81	83	85	80	81	80	75	82	90	78	93	..	85.8
	Minimum	68	70	71	68	66	63	61	68	69	68	54	50	48	47	66	54	57	61	50	49	46	50	50	59	59	58	45	49	54	56	..	57.1
Berea	Maximum	95	93	90	88	87	86	90	92	94	90	78	77	86	86	87	88	89	88	88	86	86	88	89	89	87	80	88	90	87	94	..	87.7
	Minimum	70	66	73	70	68	62	66	70	72	66	50	46	50	57	60	57	64	69	48	48	48	54	47	51	44	57	55	54	57	59	..	59.2
Farmers	Maximum	86	87	88	86	88	87	84	88	91	82	72	71	80	82	83	90	86	81	83	80	81	84	84	87	87	82	82	85	80	..	..	83.6
	Minimum	64	69	67	66	69	59	59	63	65	65	47	46	47	57	61	61	63	56	53	59	55	53	53	55	56	52	46	43	55	48	..	57.2
Heidelberg	Maximum	94	89	92	88	90	88	92	95	93	87	75	76	86	88	89	90	90	86	88	87	88	87	86	93	87	76	86	93	81	93	..	87.7
	Minimum	64	67	68	67	70	61	63	64	66	68	58	48	50	51	52	57	64	48	50	51	52	49	46	45	44	45	38	40	48	49	..	55.3
Lynch [uear]	Maximum	78	80	79	77	73	75	78	80	80	..	78	77	74	78	78	73	72	75	72	70	69	71	73	78	76	74	72	..	75	76	..	[5]72.4
	Minimum	62	64	61	64	58	60	62	61	64	..	48	45	48	55	50	61	58	55	46	41	43	45	61	66	59	44	52	..	55	57	..	[5]52.7
Maysville	Maximum	92	88	90	87	88	87	85	93	93	82	73	71	81	86	88	90	89	89	84	81	83	85	84	85	81	79	71	81	80	76	93	..	84.5
	Minimum	69	69	69	68	68	66	62	62	70	68	49	45	47	51	56	56	60	55	48	51	49	52	50	55	61	48	48	48	53	53	..	56.5
Middlesboro	Maximum	89	90	90	85	85	85	90	89	90	87	83	82	79	81	83	86	88	88	88	..	81	82	86	87	84	78	79	84	81	83	..	[6]84.8
	Minimum	66	66	66	68	71	65	63	67	67	65	62	48	53	48	49	51	56	62	50	..	49	49	51	50	50	50	48	47	64	55	..	[6]57.7
Mount Sterling	Maximum	96	93	90	88	91	89	88	94	95	91	77	78	85	89	91	91	91	88	88	90	90	90	93	93	80	75	83	90	78	93	..	87.8
	Minimum	70	70	69	69	70	64	66	68	70	67	51	49	51	65	59	57	62	60	52	56	53	48	48	50	67	51	49	52	55	54	..	58.9
Pikeville	Maximum	97	97	93	88	91	90	90	97	98	93	82	79	84	88	90	91	94	90	91	90	94	96	97	90	90	86	88	93	78	98	..	90.5
	Minimum	65	68	67	67	65	62	62	65	66	67	53	51	52	55	60	60	60	60	58	60	59	60	62	64	64	58	54	54	58	58	..	59.7
Pippapass	Maximum	94	96	95	89	83	81	90	94	96	91	76	76	84	87	89	90	92	86	87	85	87	87	95	88	78	84	80	81	90	..	..	87.5
	Minimum	64	66	68	67	68	61	61	67	64	64	54	48	48	48	48	50	53	50	45	47	42	44	44	47	50	43	45	50	52	51	..	54.5
Quicksand	Maximum	98	94	95	90	91	88	90	97	96	91	77	77	83	85	94	91	96	89	90	91	90	90	92	95	81	78	85	90	82	94	..	89.7
	Minimum	64	64	69	67	70	65	62	65	66	66	53	47	48	48	51	52	56	51	45	49	46	45	45	45	56	46	41	42	55	49	..	56.4
Richmond	Maximum	92	86	90	85	90	86	90	92	94	90	76	78	86	90	90	90	90	90	90	90	90	90	91	90	79	81	86	90	87	97	..	88.6
	Minimum	72	72	70	72	73	65	70	72	74	70	54	50	55	58	62	64	70	70	55	60	60	56	54	57	71	54	49	60	68	57	..	63.1
Williamsburg	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	68	74	68	69	71	63	65	66	68	56	59	48	53	51	58	54	60	66	49	52	51	48	51	49	65	60	47	49	69	59	..	58.0
Winchester	Maximum	95	92	91	87	91	88	91	94	95	84	77	77	86	87	90	91	94	88	88	88	87	89	89	90	86	78	83	88	77	93	..	87.6
	Minimum	70	68	69	67	70	64	67	69	68	67	50	47	52	57	59	59	67	59	51	57	56	49	53	57	65	53	41	57	54	59	..	58.3

§§ Instrument are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

*,** etc. Indicate respectively 1, 2, 3 etc. days missing from record.

W. B. O. Louisville, 10-27-41 1100

Natural History Library

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., OCTOBER, 1941 No. 10

GENERAL SUMMARY.

Moderate to heavy rains in the northern counties during the first week were timely and decidedly beneficial in connection with wheat sowing, and also for preserving young grains and grasses that had been dying from the effects of dry weather late in the preceding month. Additional moderate precipitation in the second week aided in restoring surface moisture. As a rule the rainfall of the first two weeks, which ranged from 1.0 to 2.0 inches, was sufficient to insure germination and preliminary growth of fall grains and grasses. These rains fell in the form of showers that were readily absorbed by the thirsty soil, and produced little run-off that would affect ponds, streams, or other sources of water for livestock. Therefore replenishment of water supplies was temporary, and some hauling of water for this purpose continued in the drier upland districts until late in the month. Rainfall ranging from 1.0 to 2.0 inches in the third week in the northern counties, and again at the end of the month in all except the southeastern section, furnished ample moisture for fall vegetation and started small streams in about three-fourths of the area of the State.

Temperatures above normal, with the gradually increasing supply of moisture, caused more rapid growth than usual in this month. These conditions favored the development of wheat to near normal size, the restoration of pastures, and strong late growth of the winter forage crops. Frost that was killing in some northeastern districts and heavy in most northern sections occurred on the 29th. Minimum temperatures in the last week were low enough to somewhat retard growth, but maxima on nearly every day were sufficiently high to favor it. Corn gathering became general early in the month and progressed rapidly after the 10th. Rainy weather at the end delayed the work and caused some molding, especially of corn blown down by the hurricane winds of September 25th. Increased atmospheric moisture favored tobacco stripping, which commenced rather generally toward the close. Showery conditions interfered seriously in considerable periods with the threshing of soybeans.

TEMPERATURE.

The temperature for the month averaged more than 5.0° above normal. In the first week, the decade following the 13th, and at the end most days show departures of 5° to 18° in excess of the seasonal average. Maxima of 90° or above were registered at most stations from the 5th to 8th. Weather somewhat cooler than the average occurred briefly in the periods 10-12th, 24-25th, and 28-29th. The coldest day was the 29th, when minimum temperatures of freezing or slightly below were reported from most northeastern stations and near freezing from other parts of the State. Extremes for the State were 98° at Russellville on the 6th and 27° at several stations on the 25th or 29th.

PRECIPITATION.

The average precipitation for the State was more than 50 per cent greater than normal for this month. In the southeastern and some south-central districts, also in the section extending north into the southern edge of the bluegrass region, the total rainfall ranged from 2.0 to 3.0 inches and was somewhat below the average at many stations. Most northern and western counties received from 4.0 to 6.0 inches, while several extreme western stations reported from 6.0 to 7.0 inches. Precipitation for the State varied between 1.84 inches at Smith's Grove and 7.18 inches at Mayfield. Showers fell locally in very irregular amounts in the periods 1st-5th, 8-10th, 14-13th, and 27-28th. Moderate to heavy rains visited all districts, except the southeastern counties, on the 31st. There were some heavy local rains in central and eastern sections on the 3d, and in most areas on the 10th. Light scattered showers occurred from the 21st to 24th. Dates with thunderstorms were 1, 2, 3, 7, 9, 14, 26.

MISCELLANEOUS.

Rivers.—The rains had little effect on streams, which remained low throughout the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity			
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	Percentage of sunshine.
Cairo ..... Ill.	30.07	30.38	29	29.57	27	7.6	32	sw.	31	86	62	..	57
Cincinnati ..... Ohio	30.12	30.51	29	29.59	27	7.0	24	sw.	7	86	56	67	49
Evansville..... Ind.	30.08	30.41	29	29.54	31	7.6	26	s.	31	89	60	72	47
Louisville ..... Ky.	30.09	30.43	29	29.52	31	8.3	31	sw.	31	88	62	68	54

COMPARATIVE DATA FOR OCTOBER.

Year.	Temperature.			Precipitation		Number of days		
	Mean.	Highest.	Lowest.	Average.	Average snowfall	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	52.0	89	23	2.40	....	..	..	..	..
1890	55.7	87	23	2.94	....	..	..	..	..
1891	54.8	92	21	0.78	....	..	..	..	..
1892	57.3	97	19	0.51	....	..	..	..	..
1893	56.4	90	19	4.00	....	..	..	..	..
1894	58.6	92	25	1.56	....	5	..	..	..
1895	52.2	89	14	1.24	....	4	21	5	5
1896	55.8	90	25	1.71	....	5	18	7	6
1897	63.2	96	26	1.10	0.0	4	25	3	3
1898	57.1	93	21	4.19	T.	10	12	9	10
1899	61.3	93	26	2.42	0.0	5	18	6	7
1900	64.5	94	29	2.29	0.0	5	16	8	7
1901	58.1	93	25	1.57	0.0	4	22	6	3
1902	60.1	91	25	2.34	T.	5	18	7	6
1903	57.7	86	19	2.22	T.	5	19	6	6
1904	57.2	93	20	0.52	0.0	2	21	6	4
1905	57.0	90	25	4.95	0.0	9	14	5	12
1906	56.9	91	20	1.51	T.	7	15	5	11
1907	55.5	93	20	2.97	T.	6	18	5	8
1908	57.1	92	20	0.71	0.0	3	20	6	5
1909	55.2	94	18	2.11	T.	6	19	5	7
1910	61.4	96	17	4.45	0.1	6	20	4	7
1911	59.9	94	27	3.71	0.0	10	13	6	12
1912	59.5	92	25	1.42	0.0	4	18	7	6
1913	56.9	97	23	3.53	T.	9	14	5	12
1914	59.7	91	22	5.10	0.0	9	13	8	10
1915	60.6	90	27	3.40	0.0	6	18	7	6
1916	57.6	97	24	2.59	T.	6	20	5	6
1917	51.1	90	20	3.18	0.1	7	14	8	9
1918	62.3	91	32	3.81	0.0	10	13	7	11
1919	65.6	98	35	7.99	0.0	15	8	7	16
1920	61.0	93	24	1.64	0.0	4	21	5	5
1921	57.1	90	24	2.31	0.0	6	20	6	5
1922	60.2	96	25	2.28	0.0	6	20	4	7
1923	56.8	89	19	1.68	0.2	5	18	5	8
1924	61.1	91	24	0.27	0.0	1	23	5	3
1925	52.9	88	13	7.09	3.2	11	6	7	18
1926	59.3	94	25	5.86	T.	11	12	8	11
1927	60.7	92	27	2.61	0.0	4	20	6	5
1928	61.6	95	21	3.93	0.0	8	17	7	7
1929	56.4	85	25	3.65	T.	8	14	5	12
1930	55.8	94	16	1.33	T.	6	16	7	8
1931	62.0	93	28	3.01	0.0	8	17	6	8
1932	56.0	85	24	3.31	0.0	7	17	5	9
1933	57.4	88	23	2.05	0.0	6	19	5	7
1934	59.5	88	22	0.88	0.0	4	21	5	5
1935	59.5	91	22	2.51	0.0	8	15	7	9
1936	58.5	88	24	3.47	0.0	9	10	9	12
1937	55.7	93	17	4.27	T.	12	13	6	12
1938	60.1	95	24	0.48	0.0	2	24	4	3
1939	60.9	95	23	2.11	0.0	6	20	6	5
1940	60.4	93	25	0.74	0.0	4	20	7	4
1941	64.0	93	27	4.26	0.0	11	12	8	11
Period †	58.4	98	13	2.70	0.1	6	17	6	8

†53-year averages.

Climatological Data for October, 1941.

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.							Precipitation in inches				Number of days				Prevailing direction of wind.	Observers.
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
Western Division.																				
Beaver Dam	Ohio	441	29	64.4	+ 5.7	94	6	29	25	44	4.92	+2.12	1.93	0	12	12	6	13	sw.	Eldred G. Yonng.
Calhoun	McLean	437	37	65.4	+ 5.5	94	6†	36	25	39	5.96	+2.37	1.80	0	14	13	3	15	.....	K. C. Bennett.
Earlington	Hopkins	420	47	66.2	+ 6.6	95	6	30	29	44	4.73	+1.43	1.74	0	11	14	4	13	sw.	Brick Southworth.
Fords Ferry, Dam 50	Crittenden	356	12	.....	.....	...	.....	.....	.....	.....	6.00	+3.19	2.20	0	12	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	5.91	.....	2.00	0	10	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	64.4	+ 5.1	94	6	30	29	41	5.25	+1.53	1.82	0	10	15	11	5	s.	C. R. Lovell.
Hartford (near)	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	5.08	.....	1.90	0	15	12	7	12	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	64.4	.....	93	6	30	29	40	6.56	+3.38	2.35	0	12	7	15	9	sw.	George Street.
Hopkinsville	Christian	524	45	65.5	+ 4.7	94	6	32	29	36	5.32	+1.89	2.12	0	10	16	9	6	s.	W. S. Morris.
Lovelaceville	Ballard	479	12	66.3	+ 6.3	92	6	32	29	43	6.88	+3.36	1.68	0	10	13	10	8	s.	Blaine Malone.
Mayfield	Graves	364	32	*66.9	+ 6.4	94	6	34[a]	29[a]	36[a]	7.18	+3.92	2.15	0	13	13	11	7	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	66.2	+ 6.2	92	6†	35	29	32	6.04	+2.58	1.50	0	9	5	4	22	s.	Ralph B. Wear.
Owensboro	Daviess	420	44	62.8	+ 4.1	91	6	33	29	37	6.10	+2.65	2.00	0	12	13	7	11	s.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	13	.....	.....	.....	.....	.....	.....	.....	5.80	+2.87	1.79	0	11	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	66.7	+ 5.4	90	6	38	29	35	6.99	+3.67	2.50	0	14	10	9	12	.....	Joe Lagore.*
Princeton	Caldwell	529	34	65.8	+ 6.6	91	6	32	29	39	5.84	+2.67	1.66	0	11	15	4	12	s.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	5.56	+2.36	1.67	0	13	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	64.8	+ 5.4	98	6	29	29	41	3.28	+0.40	1.80	0	8	14	7	10	s.	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	6.40	+3.46	2.03	0	14	...	.....	.....	.....	Lockmaster.
Central Division.																				
Addison, Dam 45	Breckinridge	852	13	.....	.....	.....	.....	.....	.....	.....	5.70	+2.63	1.58	0	13	...	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	62.8	+ 6.1	91	6	30	29	41	6.48	+3.50	1.74	0	15	12	4	15	sw.	C. E. Barret.
Bowling Green	Warren	500	45	67.0	+ 7.1	93	6†	35	29	34	2.61	−0.60	0.80	0	7	13	1	17	.....	Mrs. Lillie G. Causey.
Brownsville, Lock 6‡	Edmonson	470	24	.....	.....	.....	.....	.....	.....	.....	3.53	+0.49	1.24	0	10	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	2.29	−0.89	0.80	0	11	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	5.14	+2.26	1.81	0	13	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	479	3	.....	.....	94*	6	.....	.....	.....	2.71	.....	0.68	0	10	15	9	7	ne.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	15	.....	.....	.....	.....	.....	.....	.....	3.78	+1.25	0.93	0	14	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	63.6	.....	93	7	29	29	45	2.88	+0.96	0.60	0	12	14	7	10	s.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	65.4	+ 6.6	93	6	32	29	42	4.48	+1.45	0.96	0	12	12	7	12	se.	Kentucky Utilities Co.
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	3.22	.....	1.25	0	9	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	62.8	− 5.8	94	6	27	25	44	.....	.....	.....	0	...	11	5	15	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	63.2	+ 5.8	93	6	31	29	43	4.90	+2.19	1.45	0	11	12	8	11	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	5.45	+2.54	1.80	0	8	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	66.7	+ 8.1	95	6	31	25	43	2.56	−0.15	0.87	0	10	6	21	4	se.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	4.52	+2.07	0.77	0	14	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	62.9	+ 5.8	89	6†	30	25	39	4.91	+1.52	1.65	0	10	6	4	21	w.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	3.13	+0.28	0.71	0	11	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	62.7	+ 5.5	92	6	28	29	41	5.33	+2.30	1.92	0	12	8	8	15	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	6.08	.....	1.85	0	12	15	6	10	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	3.82	+0.50	0.75	0	12	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	64.7	+ 6.2	93	6	31	29	38	4.29	+0.83	1.80	0	14	9	8	14	sw.	D. Lem Hughes.
Lexington	Fayette	989	57	63.0	+ 5.6	93	6	30	29	36	4.22	+1.63	1.53	0	14	14	4	13	.....	U. S. Weather Bureau.
LittleHickman, Lock 8¶	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	3.06	+0.18	0.68	0	11	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	5.76	+2.90	1.56	0	13	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	63.9	+ 4.6	90	6	36	29	30	5.80	+3.15	1.92	0	15	9	7	15	sw.	U. S. Weather Bureau
Do. Bowman Field	Jefferson	558	3	61.9	.....	91	6	32	29	33	6.30	.....	1.81	0	14	..	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	63.3	.....	92	6	29	25†	43	3.47	.....	1.11	0	12	11	5	15	s.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	2.76	.....	1.48	0	5	14	5	12	.....	E. O. Cooper
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	2.81	−0.59	0.92	0	8	..	..	..	.....	Chester Williams.
St. Jonn	Hardin	777	45	62.8	+ 4.9	92	6	28	25†	43	4.34	+1.47	1.90	0	12	9	9	13	.....	Sisters of Loretto.
Salvisa, Lock 6¶	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	3.97	+1.19	1.10	0	10	...	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	62.4	+ 5.2	91	6	28	29	42	6.17	+3.25	2.00	0	14	12	0	18	n.	Willa S. Ratts.
Smith's Grove	Warren	607	5	63.3	.....	91	1	32	29	38	1.81	.....	1.04	0	6	8	9	14	s.	C. W. Cuernsey.
Stearns	McCreary	1400	5	58.8	.....	88	7	32	25	45	2.51	.....	0.70	0	10	10	12	9	sw.	Airway Station.
Taylorsville	Spencer	489	35	64.8	+ 8.5	93	6	30	24†	40	4.58	+1.83	1.47	0	10	15	0	16	w.	J. D. Brown.
Tyrone, Lock 5¶	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	3.98	+1.00	0.72	0	13	...	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	62.9	+ 7.0	91	6	29	29	35	6.01	+3.02	2.05	0	14	16	2	13	w.	Miss NettieB. Simpson.
Woodbury, Lock 4	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	3.81	+0.78	1.17	0	10	..	.....	.....	.....	Lockmaster
Eastern Division.																				
Annville	Jackson	.....	10	62.4	.....	92	1†	29	28	46	2.37	.....	1.20	0	5	11	11	9	sw.	Robert Johnston.
Ashland	Boyd	534	24	63.8	+ 6.0	93	7	33	29	40	2.50	−0.25	1.05	0	11	9	9	13	sw.	Lockmaster.
Berea	Madison	1070	38	64.2	+ 5.6	93	6†	29	29	49	2.40	−0.68	0.55	0	9	9	9	13	sw.	D. H. Center.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	2.84	−0.21	0.75	0	12	...	...	...	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	5.95	+3.38	1.30	0	9	...	...	...	.....	S M Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	5.20	+2.59	1.15	0	12	...	...	...	.....	Jessie Oldham.
Farmers	Rowan	668	31	°60.2	+ 3.7	89[b]	6†	27[b]	29	44[b]	5.41	+2.50	1.35	0	13	10	10	11	w.	Mrs. Corda C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	5.07	+1.76	1.04	0	13	...	...	...	.....	C. A. Glascock
Ford, Lock 10¶	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	3.62	+1.03	0.95	0	11	...	...	...	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	2.28	−0.72	0.35	0	11	..	..	..	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	4.50	+2.34	1.72	0	14	...	...	...	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	2.80	−0.24	1.58	0	10	...	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	63 3	.....	94	6	30	25	46	2.93	−0.19	0.73	0	15	13	6	12	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	3.13	....	0.88	0	7	...	.....	.....	.....	Jas T Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	2.95	−0.56	1.26	0	10	...	..	..	.....	R. J Howard.
Louisa	Lawrence	564	38	.....	.....	.....	.....	.....	.....	.....	2.49	−0.38	0.41	0	13	...	..	..	.....	Zeb Heston.
Lynch [near]	Harlan	4000	1	57.4	.....	79	8	29	28	42	3.01	.....	1.21	0	7	14	7	10	s.	James S. Allen.
Maysville, Dam 33	Mason	524	13	62.6	+ 5.2	92	6	29	29	38	4.55	+1.89	0.58	0	12	9	8	14	sw.	Lockmaster.
Middlesboro	Bell	1128	42	°64.9	+ 7.6	88[a]	1†	32[a]	25	43[a]	2.33	−0.65	1.15	0	6	14	13	4	.....	Matthew Woodson
Mount Sterling	Montgomery	930	48	63.6	+ 7.8	91	6†	30	29	38	5.91	+2.75	1.63	0	11	12	14	5	s.	W. R. McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	...	..	..	..	.....	Garret Combs.
Oneonta, Dam 35¶	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	2.90	+0.48	0.91	0	13	...	..	..	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	2.26	.....	0.70	0	11	...	..	..	.....	E. C. Fraley.
Pikeville	Pike	636	5	65 2	.....	96	5†	34	28†	44	3.39	+0.53	0.62	0	14	8	10	13	e.	U. S Weather Bureau.
Pippapass	Knott	1035	7	63.5	.....	96	6†	31	29	52	3.41	.....	1.57	0	10	8	12	11	w.	Caney Run Com. Cen.
Quicksand	Breathitt	732	13	63.6	+ 6.0	96	6	30	29	53	2.74	−0.66	1.08	0	8	...	...	...	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	2.39	−0.50	0.63	0	9	...	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	66.2	+ 7.2	92	5†	32	29	33	3.42	+0.45	0.80	0	12	14	9	8	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	2*	.....	.....	.....	.....	.....	.....	.....	2.39	−0.61	0.66	0	10	..	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	4.26	+1.28	1.22	0	14	...	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	11	65.4	+ 5.9	94	6	33	30	38	2.36	−0.48	1.37	0	5	15	15	...	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	2.87	−0.50	0.52	0	12	..	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	63.5	.....	92	6†	29	29	36	4.13	.....	1.23	0	14	4	22	5	.....	Airway Station.
State averages and extremes		.....	.....	64.0	+ 5.6	98	6	27	25†	53	4.25	+1.55	2.50	0	11	12	8	11	.....	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, ª, ᵇ, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
* Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for October, 1941.

Stations	Day of month																													T = Trace
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam G.	....	.07	.60	.13	....	....	.03	....	.47	.10	....	....	....	....	.58	....	.02	.42	....	....	....	....	....	....	....	.03	.54	....	T.	1.9	....	4.52
Calhoun G.	....	....	.71	.50	....	.02	.09	....	.53	.03	....	....	....	.02	.78	.07	.20	.36	....	....	....	.11	....	....	....	....	.74	....	....	1.80	....	5.96
Earlington [1] G.	....	.25	.18	.27	.40	....	.02	....	.26	....	....	....	....	....	.40	.01	....	.25	....	....	....	....	....	....	....	....	.95	....	....	1.74	....	4.73
Fords Ferry, Dam 50[2] O.	.16	....	.26	.65	.73	.02	....	T.	....	.28	....	....	....	....	.61	.03	T.	.36	....	....	....	.22	....	....	....	....	.67	T.	....	2.20	....	6.09
Gilbertsville[2] T.	T.	.06	.47	.30	T.	....	....	.09	....	.51	....	....	....	....	.71	.12	....	.86	....	....	....	....	....	....	....	....	.70	....	....	2.00	....	5.91
Greenville G.	....	.10	.48	.12	....	....	....	....	1.35	....	....	....	....	....	.20	....	.12	.81	....	....	....	T.	....	....	....	....	.70	....	.05	1.80	5.29
Hartford G.	.01	.01	.78	.22	....	....	.05	....	.32	.11	....	....	....	.07	.55	.03	.08	.39	....	....	....	.03	....	....	....	T.	.53	T.	T.	1.90	....	5.08
Henderson O.	.11	....	.85	.35	....	....	.06	T.	.67	....	....	....	....	.57	.55	T.	T.	.23	....	T.	....	.11	....	....	....	....	.55	....	.06	2.35	....	6.56
Hopkinsville[3] C.	....	T.	.23	.14	.03	....	....	....	....	2.12	....	....	....	....	.20	.09	.05	.18	T.	....	....	....	....	....	....	....	.65	....	....	1.63	....	5.22
Lovelaceville M.	....	.07	.58	.50	....	....	....	....	.34	....	....	....	....	.70	.24	....	.07	....	....	....	....	....	....	....	.80	....	....	....	1.30	1.68	6.06
Mayfield M.	.03	T.	.52	.04	.08	....	.03	....	T.	1.14	....	....	....	....	.69	.15	.02	1.39	....	....	....	....	....	....	....	....	.74	....	.19	2.15	7.18
Murray [2] T.	....	....	.89	.01	....	....	.01	....	....	1.21	....	....	....	....	.49	.28	....	.82	....	....	....	....	....	....	....	....	.83	....	....	1.56	....	6.04
Owensboro [3] O.	.02	T.	.71	.62	....	....	T.	....	.76	.04	....	....	....	.22	.68	....	.02	.50	....	....	....	....	.07	....	....	....	.46	....	T.	2.00	....	6.10
Owensboro, Dam 46 O.	.02	....	.26	.43	.56	....	....	T.	....	.76	....	....	....	....	.93	T.	....	.53	T.	....	....	....	.06	....	....	....	.42	.05	....	1.79	....	5.89
Paducah[3] O.	.01	.01	.44	.37	.75	.01	....	.06	....	.86	....	....	....	....	.65	.20	.01	.88	....	....	....	T.	....	....	....	....	.70	T.	....	2.75	....	6.79
Princeton G.	.04	....	.78	.31	....	....	.01	....	1.34	....	....	....	....	....	.35	T.	T.	.27	....	....	....	....	....	....	....	....	.95	.01	....	1.12	1.66	5.84
Ramsey, Lock No. 2 [2] G.	.01	T.	.19	.47	.48	....	....	.12	....	.55	....	....	....	....	.76	.02	....	.50	....	....	....	T.	.05	....	....	....	.65	.09	....	1.67	....	5.56
Russellville [1] L.	....	....	.01	.16	....	....	....	....	....	1.80	....	....	....	....	....	.14	.01	.09	....	....	....	....	....	....	....	....	.40	....	....	.67	....	3.28
Uniontown, Dam 49[2] O.	.52	.24	.26	.63	.48	T.	....	.01	....	.20	....	....	....	....	1.06	....	....	.28	....	....	....	.01	.10	T.	....	....	.55	.03	....	2.03	....	6.40
Central Division																																
Addison, Dam 45. [2] O.	....	.07	.13	.80	.50	....	....	.23	....	.41	....	....	....	....	.80	....	.05	.55	....	....	....	....	.05	....	....	....	.42	.11	....	1.58	....	5.70
Anchorage O.	.39	.23	1.04	.13	....	.04	.24	....	.38	....	....	....	....	.13	1.00	....	.19	.37	....	....	.03	....	....	....	....	....	T.	.34	....	.23	1.74	6.48
Bowling Green [2] G.	....	.03	.03	.27	....	....	....	T.	....	.80	....	....	....	....	....	....	T.	.33	....	....	....	....	....	....	....	....	.35	....	....	.80	....	2.61
Bowling Green No. 2[3] O.	....	T.	.02	.17	T.	....	....	.05	....	.71	....	....	....	....	.67	....	.02	.50	.02	....	....	....	....	....	....	....	.63	....	....	.76	....	2.87
Brownsville, Lock No. 6[2] G.	....	.26	.03	.23	.09	....	....	....	....	.92	....	....	....	....	.16	....	.10	.30	....	....	....	....	....	....	....	....	.20	....	....	1.24	....	3.53
Burnside[3] C.	....	....	.03	.05	....	....	....	....	....	.80	....	....	....	....	....	.04	.01	.31	.20	....	....	.06	....	....	....	....	.27	.07	....	.45	....	2.29
Carrollton Lock No. 1[2] K.	.15	.10	.07	.18	.07	....	....	.05	....	.64	T.	....	....	....	1.09	....	....	.64	....	....	....	....	.08	....	....	....	.92	.06	....	1.81	....	5.14
Clermont S.	....	....	....	.68	.30	T.	....	.24	....	.40	....	....	....	....	.26	.08	....	.45	.11	....	....	T.	....	.05	....	....	.14	....	....	....	....	2.71
Cold Spring, Dam 36[2] O.	....	.54	.10	.11	.93	T.	....	.06	....	.49	....	....	....	.39	T.	....	.42	.12	....	....	....	....	.06	.02	....	....	.10	.05	....	.39	....	3.78
Danville[2] K.	....	.27	.05	.17	....	....	.02	....	.55	....	....	....	....	....	T.	.07	.37	.49	.02	....	....	T.	....	....	....	....	.24	.03	....	.60	....	2.88
Dix Dam, Burgin K.	.14	....	.49	....	....	....	....	....	.40	....	....	....	....	.25	.16	.10	.96	.10	....	....	....	....	....	....	.15	.05	....	.80	.83	....	4.43
Eadsville [2] O.	....	....	.02	.03	....	....	....	....	1.25	....	....	....	....	....	....	.17	.41	.17	.08	....	....	T.	....	....	....	....	.46	....	....	.63	....	3.22
Eubank C.	....	.18	....	.24	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.54	....	....	.26	....	....
Frankfort, Lock No. 4[2] K.	T.	.01	.04	.75	.40	....	....	T.	....	.42	....	....	....	....	1.45	.03	T.	.45	.03	....	....	....	T.	T.	....	....	.09	T.	....	1.23	....	4.90
Gest, Lock No. 3 [2] K.	T.	.45	....	.96	T.	....	....	T.	....	.66	....	....	....	....	.96	T.	T.	.46	....	....	....	.05	....	....	....	....	.11	....	....	1.80	....	5.45
Glasgow G.	....	T.	.05	.34	....	....	....	.01	....	.87	....	....	....	....	.08	....	.11	.15	.01	....	....	....	....	....	....	....	.43	T.	....	.51	....	2.56
Grant, Dam 38[2] O.	T.	.73	.16	.07	.15	....	....	.22	....	.72	....	....	....	....	.72	.06	....	.65	.04	....	....	....	.06	T.	....	....	.14	.02	....	.77	....	4.52
Greensburg [2] G.	1.50	....	.12	....	....	....	....	.01	1.65	....	....	....	....	T.	.06	....	.22	.20	....	....	....	....	....	....	....	....	.40	....	.05	.70	....	4.91
High Bridge, Lock No. 7[2] K.	....	.08	.05	.32	....	....	....	....	.35	....	....	....	....	....	.55	.12	.04	.69	....	....	....	....	....	....	....	....	.18	.04	....	.71	....	3.13
Irvington [2] O.	....	....	.68	.35	....	.25	....	.80	T.	....	....	....	....	.27	.38	....	.22	.38	....	....	....	.08	....	....	....	....	.40	....	.15	1.92	5.53
LaGrange O.	.43	.06	.29	.40	....	....	.17	....	.07	.49	....	....	....	.26	1.17	....	....	.63	....	....	....	....	....	....	....	....	.36	....	....	1.85	....	6.08
Lancaster[3] K.	.65	.02	....	.19	....	....	....	.35	....	....	....	....	....	....	.07	.37	.63	.02	....	....	....	....	....	....	....	.32	.05	....	.75	.40	3.82
Leitchfield [2] G.	T.	.05	.02	.65	.07	....	....	.08	....	.58	....	....	....	....	.30	.01	.11	.34	....	....	....	.02	....	....	....	....	.23	.03	....	1.80	....	4.29
Lexington [2] K.	.01	.01	.43	.61	....	T.	....	.26	.01	....	....	....	....	.49	.04	....	.56	.16	....	....	....	....	....	....	....	.02	.09	....	.19	1.34	4.22
Little Rickman, Lock No. 8 [2] K.	....	.25	.04	.28	....	....	....	.02	.50	....	....	....	....	....	.13	.20	.30	.40	....	....	....	....	....	....	....	....	.20	....	....	1.68	....	3.70
Lockport, Lock No. 2 [2] K.	.22	.43	.04	1.13	.03	....	....	.09	....	.62	....	....	....	....	1.15	....	.03	.41	T.	....	....	T.	T.	....	....	....	.14	.11	....	1.36	....	5.76
LOUISVILLE [2] K.	.50	T.	.60	.27	T.	.27	....	.71	T.	....	....	....	....	.63	.01	T.	.04	.40	....	....	.01	....	.08	....	.01	.36	....	.23	1.68	5.80
Do. Bowman Field O.	.44	.01	1.06	.21	....	T.	.28	....	.49	T.	....	....	....	.83	T.	T.	.13	.41	....	....	.03	....	.04	....	....	T.	.27	T.	.29	1.81	6.30
Mammoth Cave[2] K.	T.	.44	.02	.24	.02	....	T.	....	....	.79	....	....	....	....	.18	....	.07	.35	.02	....	....	....	.01	....	....	....	.27	T.	T.	1.11	....	3.47
Monticello [2] C.	....	....	....	....	....	....	....	....	....	1.48	....	....	....	....	....	....	....	....	.10	....	....	....	....	.20	....	....	.40	....	....	.86	....	2.76
Munfordville [2] G.	....	.27	.05	.23	....	....	....	T.	....	.47	....	....	....	....	.17	....	T.	.45	T.	....	....	....	....	....	....	....	.25	T.	....	.92	....	2.81
St. John S.	....	....	.55	.44	....	.07	....	T.	.44	....	....	....	....	.06	.12	....	.28	.25	....	....	....	....	.03	....	.02	....	.18	....	....	1.90	....	4.34
Salvisa, Lock No 6 [2] [†] K.	....	T.	.07	.47	....	....	....	....	....	.70	....	....	....	....	.68	.05	....	.68	.02	....	....	....	....	....	....	....	.18	.02	....	1.10	....	3.97
Shelbyville S.	.03	.30	1.39	.18	....	.04	....	.03	.36	....	....	....	....	.07	.93	....	.26	.29	....	....	....	....	.04	....	....	....	.25	....	....	2.00	....	6.17
Smith's Grove [**] G.	T.	.20	.20	T.	....	....	T.	....	....	....	....	....	....	....	....	....	.11	.21	....	....	....	....	....	....	....	....	....	....	.04	1.04	....	1.84
Stearns [**] C.	....	T.	.07	....	....	....	....	.70	.37	....	....	....	....	....	T.	....	.27	.06	.17	....	T.	....	....	....	....	....	.45	.02	....	.02	.45	2.56
Taylorsville S.	....	....	.43	.40	....	.10	....	.23	.19	....	....	....	....	.44	.13	.03	.72	....	....	....	....	....	....	....	....	....	....	....	....	2.27	....	4.88
Tyrone, Lock No. 5 [2] [†] K.	....	T.	.28	.45	.20	....	T.	.04	....	.65	....	....	....	....	.55	.05	T.	.54	.15	....	....	....	T.	.05	....	....	.16	.04	....	.72	....	3.98
Williamstown L.	.30	.15	.60	.70	....	....	....	....	.32	.10	....	....	....	.35	.40	....	.15	.55	....	....	.12	....	.02	....	....	....	.20	....	....	2.05	....	6.01
Woodbury, Lock No. 4[2] G.	....	.28	.06	.30	....	....	....	....	....	1.00	....	....	....	....	.17	....	.27	.17	....	....	....	....	....	....	....	....	.34	.05	....	1.17	....	3.81
Eastern Division																																
Annville [2] C.	....	T.	.12	.22	....	....	....	....	1.20	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	T.	....	....	.73	....	....	2.37
Ashland [2] O.	....	.04	.31	1.05	....	....	....	....	....	.16	....	....	....	....	.22	T.	....	.10	.10	....	....	.04	....	.09	....	....	....	.15	....	....	.24	....	2.50
Berea K.	....	T.	.10	....	....	....	....	....	....	.27	....	....	....	T.	.13	....	.55	.14	....	....	....	T.	....	....	....	.08	.55	....	....	.68	....	2.40
College Hill, Lock No. 11[2] K.	....	.02	.02	.37	.10	....	....	....	....	.37	....	....	....	....	.68	.22	.02	.68	.02	....	....	....	....	....	....	....	.75	.02	....	T.	....	2.84
Cynthiana [2] L.	....	.07	....	1.05	.78	....	....	....	....	.25	....	....	....	....	1.25	T.	....	.59	T.	....	....	.55	....	T.	....	....	.13	....	....	1.30	....	5.95
Falmouth [2] L.	.06	.23	.35	.51	1.15	....	....	....	....	.27	....	....	....	....	.57	T.	....	.80	T.	....	....	T.	T.	.02	....	....	.08	.04	....	1.12	....	5.20
Farmers [2] L.	....	T.	.04	1.35	.49	....	....	....	....	.69	....	....	....	.39	.19	....	.38	.55	.02	....	.19	....	.05	....	....	....	.57	....	....	.80	....	5.41
Flemingsburg [2]	....	.12	.05	.88	1.04	....	....	....	....	.51	....	....	....	....	.84	....	....	.51	.14	....	.08	....	....	.13	....	....	.11	.04	....	.67	....	5.07
Ford, Lock No. 10 [2] [†] K.	....	.03	.09	.53	....	....	....	....	....	.28	....	....	....	....	.73	.17	T.	.96	.04	....	....	....	....	....	....	....	.22	.04	....	.58	....	3.62
Grayson [2] O.	....	....	.27	.35	.30	....	....	....	....	.10	....	....	....	....	.30	....	....	.12	....	....	....	.14	....	.12	....	....	.05	.22	....	.31	....	2.28
Greenup, Dam 30[2] O.	....	.28	.10	.44	1.72	....	....	....	....	.37	....	....	....	....	.48	.03	....	.19	.19	....	....	.03	....	.07	....	....	.03	.25	....	.32	....	4.50
Hazard [2] K.	....	....	....	.10	....	....	.03	....	1.58	....	....	....	....	....	.05	....	....	.25	....	....	....	.04	....	.03	....	....	.10	.40	....	.22	....	2.80
Heidelberg, Lock No. 14[2] K.	....	.06	.01	.04	.33	....	....	....	....	.51	....	....	....	....	.11	.03	.10	.73	.05	....	....	.18	....	.07	....	....	.09	.23	....	.39	....	2.93
Jackson [2] K.	....	....	....	.49	.22	....	....	....	....	.88	....	....	....	....	....	.15	T.	.55	.05	....	....	....	T.	....	....	T.	.50	....	....	.78	....	3.13
Jenkins [2] B.	....	....	.10	.06	....	....	....	....	....	1.26	....	....	....	....	.04	.12	....	.48	....	....	....	....	.10	....	....	....	....	.52	.04	....	.23	....	2.95
Louisa [2]	....	.09	.01	.31	.41	....	....	....	....	.46	....	....	....	....	.15	.12	....	.12	.17	....	....	.15	....	.20	....	....	....	.20	....	.16	....	2.49
Lynch [near] C.	....	....	.05	....	....	....	....	....	....	1.21	....	....	....	....	.06	....	....	....	....	....	....	....	.04	....	....	.65	.60	....	....	.40	....	3.01
Maysville, Dam 33[2] O.	....	.43	.09	.55	.85	....	....	T.	....	.28	....	....	....	....	.85	....	....	.22	.04	....	....	.02	T.	.05	....	....	.11	T.	....	.55	....	4.55
Middlesboro C.	.10	....	.19	....	....	....	....	....	....	1.15	....	....	....	....	....	....	....	....	.04	....	....	....	....	.02	....	....	.33	....	....	....	....	2.33
Mount Sterling L.	....	.21	.31	1.63	....	....	....	....	....	.46	....	....	....	.53	.13	....	.51	.21	....	....	.23	....	....	....	....	....	.36	....	....	1.38	....	5.91
Oneida [†] K.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oneonta Dam 35 [2]	....	.14	.18	.10	.20	....	.05	T.	....	.40	....	....	....	....	.91	T.	....	.42	.14	....	....	....	.03	.07	....	....	.11	T.	....	.18	....	2.90
Grimsville [2] B.	....	.08	....	.17	.11	....	....	....	....	.70	....	....	....	....	.08	.07	....	.19	.29	....	....	.20	....	....	....	....	.33	....	....	.33	....	2.26
Pikeville [**] B.	....	.04	.08	....	....	....	T.	.44	.51	....	....	....	....	T.	.07	....	.62	.02	.18	....	.06	....	.24	....	....	.36	.11	....	T.	.42	3.39
Pippapass K.	....	T.	.03	.08	....	....	....	T.	1.57	....	....	....	....	....	.06	.02	.38	....	....	....	T.	....	.12	....	....	.46	.06	....	....	.66	....	3.44
Quicksand [2] K.	....	....	....	.22	....	....	....	....	....	1.08	....	....	....	....	.19	....	....	.50	.19	....	....	....	....	....	....	....	.20	....	.11	....	.29	2.78
Ravenna, Lock No. 12[2] K.	....	T.	T.	.66	....	....	....	....	....	.30	....	....	....	....	T.	.43	.09	.63	.12	....	....	T.	....	....	....	....	.21	.11	....	.44	....	2.39
Richmond [2] K.	....	....	.05	.20	....	....	.02	....	.40	....	....	....	.10	.20	.40	.70	.05	....	....	....	....	....	....	....	....	....	.40	.10	....	.80	....	2.42
Valley View, Lock No. 9[2] K.	....	.09	.05	.49	....	....	....	....	....	.80	....	....	....	.52	.08	.04	....	....	....	....	....	....	....	....	....	....	.20	.02	....	.60	....	2.39
Vanceburg, Dam No. 32 [2] O.	....	.76	.10	.50	.30	.01	....	....	....	.28	....	....	....	1.22	.02	....	.20	.33	....	....	.10	....	....	....	....	....	.05	.06	....	.33	....	4.26
Williamsburg [2] C.	....	....	....	.10	....	....	....	....	....	1.37	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.84	.27	....	.28	....	2.36
Willow, Lock No. 13[2] K.	....	.03	T.	.16	.05	....	....	....	....	.43	....	....	....	....	.06	.09	.14	.52	....	....	....	....	....	.11	....	.36	T.	.11	....	.46	....	2.52
Winchester [**] K.	.08	.03	.53	.24	....	....	....	....	.20	.02	....	....	....	.67	.17	....	.56	.19	....	....	....	....	....	....	....	.01	.17	....	.07	1.23	....	4.13

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation.
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. [3]Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky.; Lock 8, Nicholasville Ky.; Lock 10, Red House Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.
**Airport station. Data for 24 hours ending at 12:30 a. m., 90th meridian time adjusted to day they occur.

Daily Temperatures for October, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	91	84	77	91	83	94	90	79	86	71	73	80	83	82	76	70	77	75	79	84	84	84	77	65	68	69	71	55	66	66	70	77.4
	Minimum	61	61	66	70	73	68	65	44	64	52	31	36	41	61	62	50	51	55	50	51	52	51	59	38	29	36	49	40	31	44	56	51.5
Calhoun	Maximum	89	83	79	89	86	93	89	81	83	76	73	79	82	79	75	70	75	74	78	85	93	83	71	67	70	69	69	55	68	65	71	77.4
	Minimum	..	64	68	72	70	70	70	49	50	52	37	40	44	62	62	51	53	58	52	54	56	56	62	43	36	40	52	41	37	47	58	a53.5
Earlington	Maximum	92	84	80	90	88	95	90	80	87	72	77	82	85	84	77	70	78	75	79	89	87	87	80	69	73	72	71	54	68	72	70	79.3
	Minimum	68	65	67	72	75	71	71	46	48	52	35	38	43	63	60	53	56	58	51	49	55	55	55	42	34	38	54	40	30	42	58	52.6
Greenville	Maximum	91	85	77	90	87	94	90	80	85	81	74	79	83	82	76	71	79	75	79	85	84	85	78	70	70	69	60	55	68	65	70	78.0
	Miuimum	60	63	65	70	55	69	64	46	46	51	34	38	41	61	63	50	51	55	50	54	62	60	41	32	35	52	39	30	43	46	50	50.8
Henderson	Maximum	79	85	78	88	88	93	83	80	86	71	75	81	88	77	73	69	75	71	79	88	83	86	74	68	74	73	68	53	64	60	70	76.6
	Minimum	61	64	66	70	74	71	70	45	51	49	36	44	45	62	59	48	50	56	49	52	58	53	62	38	35	40	49	35	30	41	57	52.3
Hopkinsville	Maximum	91	85	84	90	88	94	92	80	85	68	78	77	82	81	74	70	79	75	79	83	84	83	78	68	68	71	70	60	67	67	71	78.0
	Minimum	63	62	65	67	72	68	65	48	56	53	37	43	45	57	63	54	53	56	50	54	58	54	57	45	35	40	50	40	32	51	55	53.0
Lovelaceville	Maximum	89	89	83	88	90	92	86	80	90	80	77	81	85	84	76	63	81	74	77	85	86	87	81	71	73	75	68	55	65	65	73	79.0
	Minimum	62	66	68	72	75	74	71	50	56	50	37	38	43	65	57	55	56	49	47	58	56	55	61	48	36	42	52	36	32	43	58	53.6
Mayfield	Maximum	91	87	82	89	90	94	91	80	89	83	75	80	84	83	77	64	78	73	76	86	85	85	80	71	71	72	68	53	69	64	71	78.4
	Minimum	64	65	67	73	74	73	70	58	58	52	48	44	50	64	55	54	55	..	50	54	60	57	64	53	39	45	50	41	34	44	58	b55.4
Murray	Maximum	92	87	80	87	87	92	90	77	87	69	74	82	82	76	75	63	78	72	84	82	82	80	66	65	67	69	67	52	59	63	70	76.0
	Minimum	62	66	68	73	75	72	72	54	59	54	42	50	63	53	59	53	57	58	55	61	58	60	48	47	47	48	50	41	35	45	59	56.3
Owensboro	Maximum	83	81	77	87	86	91	84	74	82	67	71	77	81	74	72	68	73	71	75	80	78	81	74	57	66	68	66	53	64	63	70	73.7
	Minimum	62	62	65	65	71	69	67	43	50	50	35	40	43	58	62	50	52	58	52	54	54	57	57	42	34	40	51	37	33	47	56	52.0
Paducah	Maximum	84	87	80	87	88	90	86	79	83	72	75	78	83	82	78	65	78	72	75	85	86	87	81	71	73	75	68	55	65	65	71	76.5
	Minimum	64	67	68	73	75	72	72	56	58	54	42	43	48	67	57	56	67	59	62	56	59	58	64	49	40	40	67	40	38	46	58	56.9
Princeton	Maximum	90	87	79	88	86	91	88	79	87	69	72	78	81	82	77	67	78	73	76	86	85	85	80	71	71	72	68	53	69	64	71	78.4
	Minimum	64	63	67	72	74	72	70	50	65	52	37	39	46	64	60	53	55	60	53	53	57	55	61	43	36	46	52	36	32	45	58	54.5
Russellville§§	Maximum	94	85	78	92	87	93	95	86	91	68	73	79	83	82	78	73	77	73	80	85	86	84	86	67	66	71	70	52	65	66	70	78.7
	Minimum	61	62	63	68	70	72	62	49	58	58	36	37	42	50	68	51	52	53	51	51	54	53	54	41	33	32	48	46	29	30	56	50.8
Central Division.																																	
Anchorage	Maximum	75	83	78	84	85	91	89	74	80	68	70	78	80	73	71	73	63	79	78	81	79	79	71	60	74	68	72	51	59	64	68	74.0
	Minimum	63	65	65	71	74	68	66	43	48	43	34	40	53	58	54	50	50	52	52	55	54	58	53	34	33	38	50	39	30	44	57	51.5
Bowling Green	Maximum	85	85	85	87	88	93	93	84	87	77	76	80	88	78	73	74	79	76	80	83	83	85	78	69	66	71	69	61	67	66	69	78.2
	Minimum	65	65	70	72	73	69	68	56	63	55	42	46	60	67	55	56	56	56	56	61	57	68	46	41	41	44	49	41	37	46	59	55.9
Clermont	Maximum	83	89	77	89	88	94	91	76	87	70	73	80	83	76	70	73	64	71	78	83	79	83	74	63	68	69	68	55	64	65	..	c76.1
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Danville	Maximum	86	87	79	87	90	92	93	75	86	77	69	77	81	76	75	63	62	70	76	82	81	78	76	66	64	70	71	61	61	66	67	75.3
	Minimum	64	62	66	69	68	66	67	47	41	52	33	39	43	60	63	50	49	54	55	62	55	54	59	37	32	36	58	41	29	43	55	51.8
Dix Dam	Maximum	89	86	85	87	88	93	92	83	87	77	70	77	81	77	73	65	79	76	82	79	79	73	65	65	70	71	60	51	67	67	67	76.8
	Minimum	68	66	68	69	68	70	69	50	45	54	38	41	45	60	66	52	52	55	56	53	56	55	65	40	35	38	60	44	32	46	57	53.9
Eubank	Maximum	91	79	76	88	90	94	93	81	87	72	78	83	79	77	76	67	70	76	84	88	82	72	67	59	67	67	62	65	70	64	76.7
	Minimum	61	58	67	67	68	64	67	53	41	51	38	34	43	55	42	51	43	44	54	55	51	52	54	36	27	35	53	42	39	33	46	49.0
Frankfort	Maximum	85	89	78	82	88	93	92	79	82	70	72	80	81	74	70	66	62	68	74	82	80	81	76	64	69	69	68	63	59	66	68	75.2
	Minimum	63	63	68	69	70	66	65	46	44	52	36	37	41	57	65	51	52	55	49	49	52	55	55	35	34	37	58	41	31	41	56	51.3
Glasgow	Maximum	93	87	79	89	89	95	93	90	88	91	72	79	81	81	79	75	76	72	80	85	83	85	78	73	69	73	71	67	69	68	70	80.2
	Minimum	61	67	69	72	74	71	68	50	46	56	35	37	41	58	65	52	54	57	53	52	55	52	56	38	31	37	60	43	33	47	58	53.1
Greensburg	Maximum	85	83	77	88	87	89	89	81	75	75	71	71	79	79	77	68	66	69	75	82	82	78	77	68	61	70	70	65	65	65	68	75.4
	Minimum	60	60	66	69	68	68	63	42	48	41	51	31	32	37	62	62	51	51	56	52	51	54	56	55	40	30	55	61	43	31	45	50.4
Irvington	Maximum	87	90	77	87	86	92	88	74	85	67	73	75	83	78	71	67	72	72	77	83	78	81	74	61	66	70	67	58	61	66	68	75.0
	Minimum	61	62	67	69	71	68	65	45	46	49	32	41	48	59	59	46	48	53	48	50	53	55	55	36	31	36	49	38	28	43	56	50.4
Leitchfield	Maximum	88	83	77	88	85	93	90	76	87	76	72	78	82	78	74	68	69	73	76	84	84	80	69	68	70	68	56	66	67	67	67	76.6
	Minimum	64	65	67	70	72	67	65	49	49	51	37	43	45	60	63	49	49	54	51	53	57	56	58	39	35	40	56	40	31	47	55	52.8
Lexington	Maximum	85	87	78	85	89	93	92	77	84	68	71	79	82	73	68	67	59	67	76	82	82	80	77	60	67	69	71	52	62	64	67	74.6
	Minimum	65	65	67	70	71	70	67	48	50	42	37	43	49	59	57	50	50	54	51	54	57	52	56	37	34	41	48	32	30	48	55	51.4
Louisville	Maximum	72	83	73	85	85	90	87	73	77	70	77	80	78	69	66	64	70	74	80	77	72	72	59	65	69	67	59	60	64	70	72.4
	Minimum	65	65	68	73	76	74	68	54	54	52	43	50	50	66	58	53	53	56	55	56	61	61	49	42	41	45	47	39	36	47	57	55.1
Do. Bowman Field	Maximum	74	84	74	85	85	91	89	74	78	67	70	76	80	72	69	67	64	70	74	81	77	77	72	58	64	68	67	51	59	64	68	72.5
	Minimum	65	64	68	71	74	72	60	48	49	44	37	44	44	58	56	50	52	54	51	54	57	56	47	37	35	39	44	37	32	39	56	51.4
Mammoth Cave	Maximum	91	80	76	84	87	92	91	77	85	68	72	78	81	78	76	69	71	71	77	85	84	83	79	61	64	71	68	54	68	65	71	76.2
	Minimum	61	63	68	68	73	67	69	46	44	52	31	35	39	53	63	50	51	52	47	51	53	51	58	36	29	34	58	40	29	38	55	50.4
St. John	Maximum	90	82	79	86	87	92	90	79	85	77	70	78	80	76	77	69	66	70	75	88	82	82	77	67	67	68	67	54	62	64	67	76.0
	Minimum	61	63	65	68	71	65	63	43	46	49	32	35	39	58	61	42	49	55	41	52	50	52	51	36	28	33	55	37	28	43	55	49.2
Shelbyville	Maximum	85	85	78	84	87	91	90	77	82	66	71	79	80	73	69	67	61	68	75	82	78	80	72	61	66	68	66	59	59	64	67	73.7
	Minimum	61	63	67	68	71	68	67	44	46	51	33	39	44	58	61	47	50	53	48	51	54	55	59	37	31	37	57	40	28	43	55	51.2
Smith's Grove	Maximum	95	81	76	86	88	94	94	81	90	76	75	78	84	80	81	71	70	80	85	84	81	77	68	73	72	72	65	70	65	71	73	78.1
	Minimum	62	66	69	71	74	66	64	50	61	56	48	56	57	54	55	58	51	56	57	54	60	40	82	39	38	48	32	50	59	52.5
Stearns	Maximum	90	79	79	87	90	92	93	82	89	67	72	78	82	76	81	68	66	70	78	85	82	77	77	64	65	66	68	51	67	66	69	75.9
	Minimum	62	61	67	68	70	66	67	55	46	48	34	39	42	52	59	51	52	56	59	55	58	56	52	41	32	41	49	34	38	49	55	51.7
Taylorsville	Maximum	87	88	89	86	90	98	91	87	85	80	78	79	77	80	82	82	78	80	81	83	80	78	70	68	70	81	52	60	62	55	68	78.9
	Minimum	64	64	66	70	70	69	67	68	55	45	38	46	47	60	51	46	47	48	47	48	51	54	50	36	37	46	37	40	43	30	56	50.7
Williamstown	Maximum	90	87	76	86	91	96	91	90	81	75	65	75	80	76	75	69	67	62	76	76	76	71	68	63	63	62	64	54	57	66	73	73.1
	Minimum	64	63	68	68	70	71	70	46	47	51	41	47	48	60	62	47	50	58	53	50	58	54	61	38	36	40	57	36	29	44	50	52.6
Eastern Division.																																	
Annville	Maximum	92	83	84	89	92	92	92	85	87	72	71	71	81	80	84	71	78	72	83	78	67	65	64	69	70	65	64	67	67	70	69	76.9
	Minimum	60	65	64	69	66	62	60	50	38	55	31	31	35	46	64	49	61	50	46	51	49	54	29	31	34	42	32	38	55	54	31	47.8
Ashland	Maximum	86	90	86	85	92	92	92	93	87	79	70	78	82	80	68	66	68	68	75	77	78	76	72	63	66	68	75	64	60	67	63	75.5
	Minimum	66	63	68	68	67	69	67	51	45	59	36	38	44	54	64	52	49	55	57	50	54	52	51	38	36	40	57	40	33	38	55	52.1
Berea	Maximum	89	82	81	88	89	93	93	88	87	91	77	69	77	81	79	76	69	65	71	75	81	81	79	72	68	68	69	71	62	65	66	76.8
	Minimum	62	62	61	66	70	70	70	50	42	52	34	48	45	60	63	49	49	53	57	54	56	50	57	35	31	34	55	38	29	45	54	51.6
Farmers	Maximum	80	80	70	86	87	89	89	78	74	65	70	75	79	65	64	..	58	68	66	78	72	74	66	57	62	72	75	65	62	..	69	b72.2
	Minimum	60	61	65	67	70	65	63	46	38	54	32	31	38	46	61	29	56	58	46	50	51	50	50	41	35	45	51	27	25	46	58	b48.3
Heidelberg	Maximum	88	83	84	87	92	94	91	80	86	70	73	79	83	79	75	68	61	67	75	84	84	80	77	65	68	71	72	66	65	67	67	76.8
	Minimum	60	59	65	69	63	68	61	55	39	58	38	38	38	48	63	51	48	55	52	50	52	52	50	38	30	31	50	45	31	38	56	49.8
Lynch [near]	Maximum	78	74	73	74	77	78	76	79	76	75	74	76	78	70	68	66	58	66	65	68	69	61	72	69	67	65	64	69	66	68	62	69.8
	Minimum	57	58	56	57	59	60	54	53	48	32	31	34	37	39	37	40	43	45	57	55	56	54	45	34	32	30	30	29	43	46	44	44.8
Maysville	Maximum	87	85	80	78	88	92	91	90	75	66	68	78	82	73	66	66	69	72	76	84	79	76	74	71	69	64	66	64	63	63	63	73.5
	Minimum	64	64	67	69	81	70	68	47	45	58	46	36	38	44	56	46	46	55	50	51	52	51	54	37	35	40	55	40	29	40	46	51.9
Middlesboro	Maximum	88	84	80	84	87	88	87	85	84	80	82	72	75	78	75	73	70	77	75	80	79	78	71	58	78	70	70	66	66	..	..	a77.1
	Minimum	64	52	63	69	65	62	62	68	41	58	36	38	41	45	60	51	52	54	62	56	56	59	58	42	32	38	52	48	35	42	..	a52.7
Mount Sterling	Maximum	85	87	82	88	89	91	91	75	83	67	69	76	78	78	69	68	65	68	74	80	78	76	75	61	60	70	70	60	59	64	68	74.3
	Minimum	65	64	66	68	72	70	70	49	45	54	36	42	44	58	63	50	50	53	57	56	57	56	57	39	34	39	57	39	30	49	57	52.7
Pikeville	Maximum	93	86	88	88	96	96	96	95	83	91	70	72	80	86	87	78	72	61	79	79	82	83	79	77	61	67	73	67	51	69	67	78.4
	Minimum	60	60	63	64	62	62	62	42	42	38	36	36	41	44	51	46	46	52	54	54	58	60	46	37	37	37	50	34	34	42	55	48.0
Pippapass	Maximum	90	86	86	87	98	96	96	86	91	77	71	78	84	82	76	69	62	75	76	88	82	78	75	67	65	72	69	60	67	67	69	77.9
	Minimum	60	56	61	65	61	61	60	58	39	56	34	34	38	43	61	48	45	60	57	52	54	57	48	36	32	32	48	43	31	38	53	49.0
Quicksand	Maximum	85	85	87	89	93	96	94	87	92	70	75	79	86	81	77	71	62	72	78	86	83	81	77	60	68	72	73	63	70	56	68	78.2
	Minimum	61	58	64	69	62	62	59	44	39	42	37	38	39	44	63	50	47	54	57	50	54	54	52	38	35	35	48	42	10	39	55	48.9
Richmond	Maximum	88	85	80	86	92	92	92	78	86	73	80	82	80	70	75	60	68	72	75	80	80	78	75	60	65	70	70	55	62	65	70	75.4
	Minimum	70	66	70	70	73	73	72	54	55	55	48	60	65	65	50	55	52	60	56	55	60	57	62	42	37	42	60	43	32	50	57	57.0
Williamsburg	Maximum	89	81	81	86	91	94	90	84	87	82	79	76	77	80	81	77	77	68	79	81	80	76	76	65	62	67	71	68	68	67	66	78.2
	Minimum	61	61	65	69	66	64	65	51	43	46	39	37	41	48	64	58	55	51	62	56	70	60	58	40	35	35	60	46	34	33	50	52.7
Winchester	Maximum	87	86	80	86	88	92	92	76	86	69	68	78	81	74	68	66	67	68	74	81	80	79	76	60	64	75	70	59	60	64	67	74.6
	Minimum	66	64	67	69	71	71	68	50	46	52	39	42	42	60	59	49	50	52	56	56	58	56	54	57	37	42	39	57	38	29	45	52.4

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

a, b, c etc. indicate respectively 1, 2, 3 etc. days missing from record.

W. B. O. Louisville, 11-27-41 1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. R. KENDALL:

VOL. XLVI LOUISVILLE, KY., NOVEMBER, 1941 NO. 11

GENERAL SUMMARY.

Temperatures on about ten days were low enough to check or almost stop growth of fall vegetation, but the weather remained sufficiently warm during approximately two-thirds of the month for slow growth to continue. Grains, fall pastures, and winter forage crops improved at times and were growing slowly as the month closed. Showery weather, in the first week, with moderate temperatures and very little sunshine, delayed corn gathering and prolonged the conditions favorable for molding in shocks and on fallen stalks. After the 10th more than the average sunshine occurred, while temperatures in periods of considerable length remained far above normal. Under these conditions wheat, grains sown for pasture, and bluegrass made fairly strong growth at times. In the southern counties where considerable seeding occurred late, and grains were often undersized, decided improvement occurred, and wheat attained a fair size for entrance into winter. The winter grains in central and northern districts that were sown at the usual time became rather large, and capable of furnishing good pasturage.

Precipitation near the normal was reported from several stations, but the average for the State was below the seasonal amount. Moisture in the upper layers of the soil to a depth below the plowing base was ample throughout the month. Most of the rainfall was stored in the soil, hence there was little run-off. In the southeastern counties, where the rains were relatively light in October, streams were not fully replenished, but the rains were sufficient to meet current needs for water supply. The damp weather of the first decade favored tobacco stripping, which began generally at that time and continued with some interruption by dry spells later in the month. Fair weather in the second decade and again in the last week enabled farmers to complete corn gathering. This weather also greatly improved the condition of corn that had been cribbed while too damp. More available pasturage than usual reduced the feeding requirements of livestock. Killing frost occurred in the northeastern counties on the 2d, but most other districts escaped until the general freeze of the 12th. Considerable plowing was done during the month.

TEMPERATURE.

There were marked periodic variations in temperature, but the monthly average was not far from normal. Day temperatures were relatively high, due in part to the large amount of sunshine in the last two decades. Prevailing high pressure, with clear skies, during the same period favored radiation, which depressed minima to freezing or slightly below on many nights. The periods 14-20th and 27-30th were quite warm, with daily temperatures in excess of the normal mean by 5° to 20°. In the relatively cold intervals, 7-12th and 22d-25th, daily means were deficient by 5° to 15°. The coldest weather occurred about the 10-11th and 24-25th. Extremes for the States were 85° at Quicksand on the 17th and 9° at Lynch on the 11th.

PRECIPITATION.

Average precipitation for the State was about two-thirds of the normal amount. Some stations in the extreme western and eastern counties reported less than two inches. A broad belt from the south-central counties northeast to the upper Ohio received from 3.0 to 4.0 inches. In other eastern, northern and western districts monthly amounts ranged from 2.0 to 3.0 inches. The range for the State was between 1.51 inches at Pikeville and 4.00 inches at Russellville. Moderate to heavy rains occurred generally on the 1st. Showers that were usually light to moderate but occasionally heavy fell daily in the periods 4-10th and 19th-23d. Some central stations reported 24-hour falls of 1.0 to 1.5 inches on the 20th, 22d, and 23d, and some eastern stations on the 23d. A thunderstorm visited some central stations on the 4th. Snow occurred daily from the 7th to 10th, but in most places it melted as it fell.

MISCELLANEOUS.

Streams were but little affected by the rains, therefore pool stages prevailed in the Ohio and its tributaries within the State during the month.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.)					Wind.				Relative humidity.			Percentage of sunshine.
	Mean.	Highest.	Date.	Lowest.	Date.	Av. hourly velocity.	Maximum velocity.	Direction.	Date.	6.30 a. m.	12.30 p. m.	6.30 p. m.	
Cairo.....Ill.	30.12	30.60	24	29.59	6	69	2.5	sw.	1	83	62	....	52
Cincinnati.....Ohio	30.10	30.53	24	29.43	6	79	2.6	sw.	1	85	55	66	48
Evansville.....Ind.	30.10	30.57	24	29.44	6	70	2.6	w.	1	86	59	73	55
Louisville.....Ky.	30.10	30.54	24	29.46	6	83	3.0	sw.	1	84	58	68	53

COMPARATIVE DATA FOR NOVEMBER.

Year.	Temperature.			Precipitation		Number of days.			
	†Mean.	Highest.	Lowest.	†Average.	Average snowfall.	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	43.1	85	10	6.04	....	..	..	..	..
1890	48.6	81	19	4.87	....	..	..	..	..
1891	43.5	75	10	6.04	....	..	..	..	..
1892	42.8	78	9	3.85	....	..	..	..	..
1893	44.3	79	− 2	3.12	....	..	..	..	..
1894	43.3	80	8	1.32	....	4	..	..	..
1895	45.8	85	16	4.29	....	7	10	7	13
1896	49.3	80	11	5.01	....	8	10	8	12
1897	47.8	78	12	4.69	T.	10	13	7	10
1898	43.2	80	10	2.79	0.5	8	12	7	11
1899	49.8	79	20	2.12	T	8	11	7	12
1900	47.0	83	15	7.78	1.0	8	15	6	9
1901	41.8	82	11	1.52	T	4	19	5	6
1902	53.4	90	20	4.42	0.3	11	11	6	13
1903	42.5	81	5	3.01	2.0	8	12	7	11
1904	44.7	79	14	0.89	T	3	15	6	9
1905	46.4	79	14	3.55	T.	7	15	6	9
1906	46.1	93	11	5.02	2.3	7	13	6	11
1907	44.2	75	15	3.49	0.1	7	14	5	11
1908	48.6	80	8	2.61	0.2	7	14	7	9
1909	54.7	86	19	2.29	T.	6	15	6	9
1910	41.1	78	11	2.04	T.	6	16	5	9
1911	41.6	85	9	4.51	0.8	8	10	4	16
1912	45.2	82	10	1.22	0.2	4	16	5	9
1913	50.5	81	8	3.25	0.9	9	12	5	13
1914	46.9	83	5	1.23	0.4	5	18	6	7
1915	49.8	85	16	4.80	0.4	9	15	7	8
1916	47.8	83	8	1.52	T.	4	20	4	6
1917	44.3	78	11	1.23	0.1	5	14	5	11
1918	46.1	77	19	1.90	0.0	6	14	5	11
1919	47.4	78	16	7.31	0.0	9	15	5	10
1920	44.7	79	10	2.21	2.8	8	12	5	13
1921	49.8	79	20	7.96	T.	12	11	5	14
1922	48.8	87	10	1.93	0.4	6	16	6	8
1923	46.4	75	16	3.65	0.0	9	14	5	11
1924	47.7	88	13	1.82	0.1	9	11	7	12
1925	44.9	73	8	5.13	0.1	7	12	6	12
1926	42.9	80	0	3.40	2.0	9	10	7	13
1927	51.3	82	13	5.01	0.1	10	9	7	14
1928	46.8	78	10	3.93	T.	10	10	6	14
1929	44.6	81	− 9	4.03	3.0	11	8	6	16
1930	47.1	86	− 4	1.82	1.0	10	12	6	12
1931	55.0	84	19	3.52	T.	10	13	5	12
1932	43.8	78	11	2.71	0.4	9	14	5	11
1933	45.5	85	10	1.54	T	5	6	11	13
1934	50.5	84	14	2.85	T.	7	15	6	9
1935	47.3	85	11	3.86	T.	11	7	6	17
1936	42.9	81	10	3.50	3.4	5	14	8	8
1937	43.2	82	6	1.63	0.6	9	12	6	12
1938	47.9	83	2	3.68	3.7	9	16	5	9
1939	43.6	79	14	1.16	T.	6	13	5	12
1940	45.8	80	6	3.70	0.9	11	12	5	13
1941	46.0	85	9	2.80	T.	8	14	5	11
Period	46.4	93	− 9	3.39	0.6	5	14	8	8

†52 Year average.

Climatological Data for November, 1941.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days.				Prevailing direction of wind.	Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.		
WESTERN DIVISION																				
Beaver Dam	Ohio	441	29	45.5	−1.4	76	17	20	25	42	2.58	−0.60	0.93	T.	9	15	4	11	sw.	Eldred G. Young.
Calhoun	McLean	437	37	[a]46.7	−1.6	77[c]	17	24[c]	25	38[c]	2.97	−0.67	1.21	T	8	17	2	11		R. C. Bennett.
Earlington	Hopkins	420	47	48.0	0.0	80	17	22	25	46	2.46	−1.16	0.63	T.	11	15	4	11	w.	Brick Southworth.
Ford's Ferry, Dam 50	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	3.13	−0.04	0.71	1.0	9	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	2.38	.....	0.72	T.	6	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	[a]46.4	−1.4	76[a]	17	20[a]	25	44[a]	2.55	−0.99	0.75	0.0	7	13	14	8	s.	C. R. Lovell.
Hartford, [near]	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	2.42	.....	0.77	T.	10	15	5	10	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	[a]47.0	.....	78[a]	17	22[a]	25	37[a]	2.09	−1.70	0.61	T.	9	16	4	10	w.	George Street.
Hopkinsville	Christian	524	45	46.1	−2.4	76	17	21	12†	40	2.70	−1.32	0.90	T.	5	15	10	5	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	47.2	−0.3	78	16	21	11†	44	1.94	−1.42	0.52	T.	5	17	2	11	s.	Blaine Malone.
Mayfield	Graves	364	32	48.2	−0.9	75	16†	23	11	34	2.47	−1.41	0.70	T.	7	14	5	11	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	47.8	−0.8	75	17	24	25	38	2.25	−1.15	0.81	T.	7	7	13	10	n.	Ralph B. Wear.
Owensboro	Daviess	420	44	41.7	−2.3	76	17	21	25	36	2.33	−0.99	0.81	T.	8	20	3	7	se.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	18	.....	.....	.....	.....	.....	.....	.....	2.87	+0.06	0.79	1.4	10	.....	.....	.....	.....	Lockmaster.
Padncah	McCracken	341	21	48.0	−1.1	77	17	23	25	40	2.25	−1.54	0.54	T.	6	13	8	9	.....	Joe Lagore. *
Princeton	Caldwell	529	34	47.5	+0.2	75	17	23	25	38	2.79	−0.50	0.77	0	11	16	3	11	s.	S. J. Lowry.
Rumsey, Lock 2‡	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	2.85	−0.67	0.72	T	10	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	[a]43.5	−3.2	73[c]	1†	20[c]	25	40[c]	4.00	+0.72	1.35	0	8	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	3.33	+0.57	0.98	0.2	11	.....	.....	.....	.....	Lockmaster.
CENTRAL DIVISION.																				
Addison, Dam 45	Breckinridge	352	13	.....	.....	.....	.....	.....	.....	.....	3.02	+0.22	0.97	T.	10	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	44.8	0.0	76	17	20	25	39	2.81	−0.98	1.28	T.	7	19	1	10	sw.	C. E. Barret.
Bowling Green	Warren	500	45	47.0	−0.9	73	17	24	25	34	3.61	−0.03	1.48	T.	7	11	2	17	.....	Mrs. Lillie G. Causey.
Brownsville, Lock 6 ‡	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	3.38	−0.53	1.46	0.0	8	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	2.31	−1.15	1.50	T.	9	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	2.08	−0.85	0.52	0.0	7	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	[b]44.2	.....	79[b]	17	18[b]	13	44[b]	2.33	.....	0.74	T.	6	13	6	11	sw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	16	.....	.....	.....	.....	.....	.....	.....	2.84	−0.40	1.30	T.	9	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	47.0	.....	77	17	19	25	42	3.01	0.00	1.43	T.	9	16	1	13	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	46.7	−0.9	77	17	24	26	39	2.62	−0.51	1.60	T.	6	13	7	10	.....	Kentucky Utilities Co.,
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	2.80	.....	1.35	T.	8	.....	.....	.....	.....	Joe Norfleet.
Eubank	Pulaski	1177	46	45.6	0.0	73	18	19	25	44	3.60	+0.21	1.54	0.0	8	14	3	13	s.	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	45	45.2	−1.4	78	17	20	25	45	2.97	−0.02	1.27	T.	7	16	2	12	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	2.96	−0.28	0.74	0.5	8	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	[a]46.3	−2.2	78[a]	17	21[a]	12	43[a]	3.50	−0.75	1.62	0.0	10	12	8	10	sw.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	2.63	−0.14	1.06	T.	8	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	45.1	−0.6	80	19	20	12	44	3.90	+0.35	1.51	T.	9	8	2	20	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	3.52	+0.34	1.52	T.	9	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	45.1	−1.9	78	17	19	25	45	2.70	−0.55	1.02	T.	10	13	6	11	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	2.31	.....	0.80	T.	7	15	2	13	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	2.61	−0.65	1.35	0.0	6	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	45	47.3	+0.5	79	17	20	25	41	2.99	−0.95	1.70	T.	7	13	6	11	sw.	D. Lem Hughes
Lexington	Fayette	989	57	45.7	+0.9	79	17	20	25	35	3.17	−0.17	1.34	0.3	11	12	4	14	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	3.27	+0.13	1.50	0.0	6	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	3.18	+0.14	0.86	T.	7	.....	.....	.....	.....	Lockmaster.
LOUISVILLE	Jefferson	459	68	47.6	+0.9	75	17	26	25	31	1.84	−1.77	0.63	T.	8	12	6	12	sw.	U. S. Weather Bureau.
Do Bowman Field	Jefferson	558	3	46.2	.....	75	17	23	25	33	2.75	.....	0.81	T.	7	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	44.4	.....	78	17	15	25	43	3.48	.....	1.61	T.	10	13	2	15	sw.	Ivan J. Ellsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	3.37	.....	1.55	0.0	6	15	4	11	.....	E. O. Cooper.
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	3.40	+0.74	1.68	0.0	9	.....	.....	.....	.....	Chester Williams.
St. John	Hardin	777	45	48.8	−2.0	76	17	12	25	34	2.86	−0.69	0.73	0.0	11	15	4	11	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	3.79	+0.49	1.41	T.	8	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	44.4	−0.4	72	18	19	25	38	3.02	−0.23	1.08	T.	9	15	0	15	w.	Willa S. A. Ratta.
Smith's Grove	Warren	607	3	46.0	.....	76	17†	21	24†	37	2.48	.....	1.61	T.	5	9	9	12	.....	C. W. Gurnsey.
Stearns	McCreary	1400	5	46.0	.....	77	17	20	12	36	2.56	.....	0.98	T.	7	13	3	14	sw.	Airway Station.
Taylorsville	Spencer	489	35	46.2	+1.1	75	18	19	25	38	2.62	−0.74	1.43	T.	4	20	0	10	s.	J. D. Brown.
Tyrone, Lock 5	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	3.75	+0.76	1.55	0.2	7	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	943	38	46.6	+1.4	74	18	22	25	34	2.26	−0.66	0.63	0.0	10	19	1	10	w.	Miss Nettie B. Simpson.
Woodbury, Lock 4‡	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	2.97	−0.47	1.20	T.	7	.....	..	..	.....	Lockmaster.
EASTERN DIVISION.																				
Annville	Jackson		10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert Johnson.
Ashland	Boyd	534	24	45.9	−1.2	77	18	21	25	43	2.66	−0.24	0.96	T.	8	16	5	9	sw.	Lockmaster.
Berea	Madison	1070	38	46.1	−1.4	76	17	15	25	38	2.77	−0.57	1.40	T.	6	12	7	11	s.	D. H. Center.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	2.79	−0.11	1.45	T.	6	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	3.27	+0.24	1.37	T.	6	.....	.....	.....	.....	S. M. Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	2.71	−0.24	0.95	T.	8	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	45.9	+0.4	80	17	16	25	46	3.13	+0.14	1.30	0.7	9	14	4	12	w.	Mrs. Gerda C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	3.37	−0.06	1.31	0.0	7	.....	.....	.....	.....	C. A. Glasscock.
Ford, Lock 10	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	3.62	+0.76	1.56	0.0	8	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	11	.....	.....	.....	.....	.....	.....	.....	2.95	+0.32	1.23	T.	4	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	3.01	−0.01	1.29	0.0	8	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	2.66	−0.99	0.99	0.0	6	.....	.....	.....	.....	H. A. Bally.
Heidelberg, Lock 14	Lee	663	6	45.5	.....	80	17	18	25	45	2.53	−0.38	1.39	0.0	8	13	4	13	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	2.08	.....	1.30	T.	4	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	1.67	−2.05	0.50	0.0	7	.....	.....	.....	.....	R. J. Howard.
Lonisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	2.64	−0.06	0.94	0.0	7	.....	.....	.....	.....	Zeb Heston.
Lynch, [near]	Harlan	4000	1	46.2	.....	78	15	9	11	46	2.25	.....	0.70	1.5	7	14	1	15	n.	Jam S. Allen.
Maysville Dam 33	Mason	524	43	45.7	+0.5	77	17	19	25	45	2.92	−0.12	1.61	T.	6	13	6	11	sw.	Lockmaster.
Middlesboro	Bell	1128	42	46.0	−0.3	74	17	19	12	40	2.73	−0.79	1.04	0.0	5	11	16	3	..	Matthew Woodson,
Mount Sterling	Montgomery	930	48	45.4	+1.2	75	17	19	25	35	2.93	−0.60	1.30	0.0	6	14	6	10	w.	W. R. McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	3.03	+0.12	1.55	T	7	.....	.....	.....	.....	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	2.46	.....	1.08	T.	6	.....	.....	.....	.....	E. C. Fraley.
Pikeville	Pike	636	5	46.2	.....	80	17	22	25	41	1.51	−1.45	0.57	0.0	8	14	3	13	.....	U. S. Weather Bureau.
Pippapass	Knott	1036	7	46.5	...	81	17	20	12†	51	1.99	.....	0.65	T.	12	14	4	12	w.	Caney Run Com. Center.
Quicksand	Breathitt	732	15	46.7	−0.3	85	17	20	13	51	1.94	−1.93	1.20	T.	4	...	...	...	...	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	2.82	−0.40	1.22	T	7	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	47.6	+0.4	75	17†	22	25	28	2.67	−0.62	1.60	0.0	7	14	11	5	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	3.70	+0.24	1.57	0.5	10	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	525	24	.....	.....	.....	.....	.....	.....	.....	3.41	+0.56	1.87	T.	6	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	14	46.3	−1.0	75	17	20	12	43	2.63	−0.72	1.16	0.0	8	16	5	9	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	2.58	−0.80	1.34	T	5	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	45.4	.....	74	17	19	25	31	3.02	.....	1.57	0.0	11	9	13	8	.....	Airway Station.
State averages and extremes				46.0	−0.4	85	17	9	11	51	2.80	−0.59	1.84	T.	8	14	5	11	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River
Reference letters, [a], [b], [c], appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for November, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G.	.40			.08	.02	.77	.01	.03	.01											.93		.35										2.58
Calhoun ..... G.				.46	.02	1.21	.03	.02	.05	T.										.85		.38										2.97
Farlington [2] ..... G.	.35			.16	.62	.33	.34	.02	.02	.08										.63	.05		.51									2.46
Fords Ferry Dam 50[2] ..... O.	.71			.30	.02	.52	.49	T.	.08	T.	T.									.46	.02		.53									3.13
Gilbertsville[2] ..... T.	.44			.17		.35	.28		T.											.72			.41									2.38
Greenville ..... G.	.27			.10	T.	.59	.09		T.												.75	.30	.45									2.66
Hartford ..... T.	.27		T.	.11	.01	.53	.06	.01	.06	T.	T.									.77		.22	.38									2.42
Henderson ..... O.	.10		T.	.16		.61	.03	.02	.03											.46		.35	.83									2.09
Hopkinsville[2] ..... G.	.11					.69	.33														.47		.90									2.50
Lovelaceville ..... M.			.17		.25	.50		T.												.52		.50										1.94
Mayfield ..... M.	.32			.23	T.	.70	.03	T.												.70		.29	.20									2.47
Murray [2] ..... T.	.23				.01	.81	.01	T.												.58		.04	.57									2.25
Owensboro [2] ..... O.	.82		T.	.17	T.	.81	.03	.03	T.											.56		.20	.27									2.33
Owensboro, Dam 46[2] ..... O.	.79			.11	.04	.61	.27	T.	.14	T.	T.									.37	.03		.44	.01								2.87
Padnicah[2] ..... O.	.29			.17	T.	.50	.31	T.	T.	T.	T.									.54			.45									2.29
Princeton ..... G.	.14			.22	.01	.77	.03	.01	.06	.01										.72		.25	.27									2.79
Ramsey, Lock No. 2 [2] ..... G.	.48			.10	.01	.72	.25		.02	.02										.70	.10		.44									2.85
Russellville [2] ..... G.	.31			.07		1.09	.34		.03											.56	.25		1.35									4.00
Uniontown, Dam 49[2] ..... O.	.98			.27	.01	.40	.44	.01	.01	.01										.59	.01		.60									3.53
Central Division																																
Addison, Dam 45. [2] ..... O.	.97			.04	.03	.35	.45	.01	.05	T.										.45	.22		.45									3.02
Anchorage ..... O.	.34				.06	.48	.03	.03	.09	T.												1.28	T.	T.									2.31
Bowling Green [2] ..... G.	.40			.03		.05	.90	T.	.05										.70			1.48										3.61
Bowling Green No. 2[2] ..... G.	.32			.06	.02	.71	.12	T.	T.	T.										.30	.37		1.59									3.51
Brownsville, Lock No. 6[2] ..... G.	.45			.05	.07	.68	.15	T.												.24	.23		1.46									3.33
Burnside[2] ..... C.	.15				.04	.32	.06	.03	T.	.03											.15		1.50	T.									2.31
Carrollton Lock No. 1[2] ..... K.	.52					.45	.12	T.	T.	T.	.05									.43	.10		.41									2.08
Clermont ..... S.				T.		.61	.03	T.	.07											.30	.74		.17									2.32
Cold Spring, Dam 36[2] ..... O.	1.30				.02	.34	.24	.02	.03	T.	T.									.30	.19		.40	T.									2.84
Danville[2] ..... K.	.50				.02	.73	.05	.05	T.	.01	T								.03	.19		1.43										3.01
Dix Dam, Burgin ..... K.				T.	.65	.10		.08	T.	T.									.08	.11		1.60										2.62
Eadsville [2] ..... O.	.37				.02	.75	.02		.02	.07										.20			1.35										2.80
Eubank ..... C.	.61			.04		.84				.18									.08	.04	.27		1.54										3.60
Frankfort, Lock No. 4[2] ..... K.	1.27			T.		.34	.05	.02	T.	T.	T.									.11	.21		.58										2.57
Gest, Lock No. 3 [2] ..... K.	.56				T.	.73	.13	T.	.05	.03	T.									.48	.24		.74										2.96
Glasgow ..... G.	.51			.02	.06	.50	.10	.01		.02										.40	.26		1.62										3.50
Grant, Dam 38[2] ..... O.	1.08				.02	.72	.08	T.	.01	T.	T.									.20	.06		.46										2.63
Greensburg [2] ..... G.	.60			.05	.01	.95	.93	.01	T.											.46		.28	1.51										3.90
High Bridge, Lock No. 7[2] ..... K.	.88			T.	.53	.16	.08	.02	.06	T.										.08	.19		1.52										3.52
Irvington ..... O.	.14			.05	.09	.60	.05	.02	.05	T.										1.02		.49	.19										2.70
LaGrange ..... O.	.30				.03	.54	.12	T	.08											.80			.44										2.31
Lancaster[2] ..... K.					.90	.04	.04												.06	.22		1.35										2.61
Leitchfield [2] ..... G.	.41			.01		.63	.17	T.	.04	.03										.71			1.70										2.99
Lexington ‡ ..... K.	.28			T.	.03	1.00	.06	.03	.05	.02									.04	.32		1.26	.08									3.17
Little Hickman, Lock No. 8 [2]‡ ..... K.	.59				.91	.10	T.													.06	.11		1.50										3.27
Lockport, Lock No. 2 [2] ..... K.	.86				.41	.13				.11	T.									.62	.27		.78										3.18
LOUISVILLE[1] ‡ ..... O.	.07			T.	.05	.47	T.	.03	.05	T										.63		.58	.01	T.									1.84
Do. Bowman Field ..... O.	.03			T.	.38	.68	T.	.04	.07	T.										.81		.71	T	T.									2.75
Mammoth Cave[3] ..... G.	.33			.04	.10	.64	.14	.01	T.	.02										.41	.18		1.61	T.									3.48
Monticello [2] ..... C.	.22				.96		.10													.35	.20		1.55										3.37
Munfordville [2] ..... G.	.62			T.	.05	.38	.07	.05		.05										.18	.32		1.68										3.40
St. John ..... S.	.33	.02		.05	.07	.81	.05		.08						T					.79		.16	.78		.02							2.86
Salvisa, Lock No 6 [2]‡ ..... K.	1.17					.53	.18	.04	T	.10										.08	.28		1.41										3.79
Shelbyville ..... S.	.22				.06	.62	.06	.04	.09	T.										1.08		.05	.80										3.02
Smith's Grove [4] ..... G.	T.		T.	.03	.43	.09	T.	T	T.										T.	.92		1.61	T.									2.48
Stearns [4] ..... C.	.10				.02	.70	.02	T.	T.											.37		.98	.31									2.50
Taylorsville ..... S.	.27					.50			T.											.42			1.43									2.62
Tyrone, Lock No. 5 [2]‡ ..... K.	1.55			T.		.42	.09	.05	T.	T.	T.									.06	.20		1.38										3.75
Williamstown ..... L.	.50			.02	.02	.40	.10	.03	.02											.63			.53	.01									2.26
Woodbury, Lock No. 4[2] ..... G.	.52			.05	T.	.64	.16		T.											.24	.16		1.20										2.97
Eastern Division																																
Annville [2] ..... C.																																
Ashland [2] ..... O.	.96					.34	.25	.04		.01										T	.12		.93	.01									2.66
Berea ..... K.	.22			T.		.58	T.	.05		T										.33		.09	1.40									2.77
College Hill, Lock No. 11[2] ..... K.	.56				T.	.62	.06	.08	T.	T										.02			1.45									2.79
Cynthiana [2] ..... L.	1.37					.46	.12	T.	T.	T.										.07	.25		1.00									8.27
Falmouth [2] ..... L.	.95				T.	.27	.23	.01	.01	T.	T.									.28	.30		.66	T.									2.71
Farmers [2] ..... L.	1.13					.34	.01	.06	T.	.05										.04	.15		1.30	.02									3.13
Flemingsburg [2] ..... L.	1.31				.37		.16	.03			.06										.19		1.26										3.39
Ford Lock No. 10 [2]‡ ..... K.	1.03			T	T.	.57	.11	.08	T.	.04										.05	.18		1.56										3.62
Grayson [2] ..... O.	1.10					.50				T.											.12		1.23									2.95
Greenup Dam 30[2] ..... O.	1.29					.08	.47	.02		T.	.01									.08			1.10	.01									3.01
Hazard [2] ..... K.	.36					.38	.05													.03	.25		.99									2.06
Heidelberg, Lock No. 14[2] ..... K.	.32					.01	.61	.03		.03	T.									T.	.09		1.39	.02									2.53
Jackson [2] ..... K.						.55	T.	T.	.05												.18		1.30									2.08
Jenkins [2] ..... B.	.27	T.				.49	.06	.02													.23		.50	.10								1.67
Louisa [2] ..... B.	.84					.60	.07	.04		.04											.11		.94									2.64
Lynch [near] ..... C.					.35	.70	.05	T.	.05											.57		.48		.05								2.25
Maysville, Dam 33[2] ..... O.	1.61					.29	.12	.01		T										T.	.15		.74	T.									2.92
Middlesboro ..... C.		.63					.45													.25		.36	1.04									2.73
Mount Sterling ..... L.	.34					.73	.06													.45		.05	1.30									2.93
Oneida [2]‡ ..... K.																																
Oneonta Dam 35[2] ..... O.	1.55				T	.22	.22	T.	.02	T	T.									.42	.22		.38	T.									3.03
Paintsville [2] ..... B.	.60					.48	.05	.05	T.	T											.20		1.08									2.46
Pikeville** ..... B.	.09				.11	.37	.07	.01	T.	T.										.15		.57	.14	T.									1.51
Pippapass ..... K.	.17			.02	T.	.40	.07	.02	.01	.01										.09	.21	.27	.69	.03									1.99
Quicksand [2] ..... K.						.36			T	.16											.22		1.20									1.94
Ravenna, Lock No. 12[2] ..... K.	.28				T.	.50	T.	.09	T.	T.										.05	.13		1.22	.05	T.								2.32
Richmond [2] ..... K.	.20					.50	.10	.05												.10	.12		1.60									2.67
Valley View, Lock No. 9 ..... K.	.93			.01	T.	.84	.02	.14	.01	.04	T.									.06	.18		1.57									5.76
Vanceburg, Dam No. 32 [2] ..... O.	1.87					.16	.17		T.												.19		1.03	.02								3.44
Williamsburg [2] ..... C.		.16				.80	.04	.05	T.	T.										.07	.32		1.16	.03								2.63
Willow, Lock No. 13[2] ..... K.					.04	.46		.04	T.	T.											.20		1.84									2.58
Winchester ** ..... K.	.37			.01	.04	.68	.06	T.	.02	.02									.03	.17		1.57	.05									3.02

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation
[1]First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2]Precipitation measured in the morning; amount then recorded is for the preceding 24 hours. ‡Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky, Lock 8, Nicholasville, Ky. Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K, Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.
**Airport station. Data for 24 hours ending at 12:30 a. m., 90th meridian time adjusted to day they occur.

Daily Temperatures for November, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	54	63	65	65	60	56	43	39	36	37	44	56	64	68	67	71	76	74	73	68	52	42	46	39	45	56	66	67	70	69	..	57.7
	Minimum	44	35	35	46	46	37	34	31	28	29	30	21	26	27	28	32	40	48	56	42	25	26	35	27	26	26	29	30	28	33	..	33.3
Calhoun	Maximum	70	..	68	61	62	58	42	38	36	36	45	56	68	67	67	71	77	75	71	69	55	45	..	42	48	58	65	..	..	..	..	*57.4
	Minimum	36	..	39	49	51	40	37	34	31	25	28	29	38	33	40	51	61	47	30	29	..	28	24	32	30	..	..	..	..	..	..	*36.0
Earlington	Maximum	70	60	65	61	62	60	42	49	38	37	51	61	68	70	71	75	80	77	75	68	57	47	48	41	48	62	68	71	73	72	..	60.6
	Minimum	45	36	39	48	51	40	36	34	30	31	32	23	27	30	30	34	38	58	62	46	25	28	36	29	22	30	32	30	28	34	..	35.8
Greenville	Maximum	70	65	63	60	61	59	41	39	36	36	45	56	62	67	70	75	76	74	73	..	69	45	46	40	45	61	67	69	72	73	..	*69.2
	Minimum	43	36	39	46	48	36	34	31	28	29	26	22	25	27	31	34	38	56	53	..	25	27	34	26	20	30	38	30	29	35	..	*33.5
Henderson	Maximum	70	66	63	64	61	56	41	38	34	35	49	56	63	64	67	72	78	76	72	68	55	43	40	44	46	60	68	69	78	..	..	*58.3
	Minimum	44	35	36	48	49	39	36	32	31	29	29	26	32	35	34	35	44	49	59	39	26	31	33	24	22	35	36	33	37	..	..	*35.8
Hopkinsville	Maximum	53	64	64	61	64	54	45	43	38	39	43	55	62	68	68	71	76	75	71	60	51	48	45	38	46	54	65	68	70	71	..	57.7
	Minimum	44	34	38	48	49	39	36	32	30	28	25	21	26	31	30	37	41	48	57	46	25	32	35	29	22	26	30	29	30	36	..	34.5
Lovelaceville	Maximum	58	68	64	63	61	55	44	40	39	38	48	57	64	65	70	75	77	75	75	70	54	54	45	40	40	63	68	69	72	72	..	59.5
	Minimum	45	35	43	51	50	38	35	33	32	32	21	22	28	30	30	34	42	50	57	47	26	30	36	29	21	26	27	29	30	35	..	34.8
Mayfield	Maximum	70	67	64	68	60	58	42	40	39	39	45	56	61	63	68	75	75	74	73	70	55	48	43	40	37	62	66	67	70	71	..	58.7
	Minimum	44	40	47	51	51	37	36	32	31	31	23	25	33	33	34	43	47	50	60	47	29	33	36	28	24	29	37	37	41	42	..	37.7
Murray	Maximum	69	68	62	63	69	67	42	39	37	38	42	55	63	68	68	67	67	75	71	73	70	49	47	44	40	59	58	66	69	71	..	58.1
	Minimum	45	47	48	51	54	38	35	33	32	33	25	27	32	35	36	39	42	50	62	47	31	30	36	27	24	31	30	32	33	36	..	37.4
Owensboro	Maximum	54	61	61	62	61	51	41	40	34	34	41	54	64	66	66	70	76	73	70	52	51	43	49	42	43	52	65	66	68	67	..	55.9
	Minimum	43	34	37	46	50	39	35	30	28	29	29	24	30	30	32	35	42	46	43	42	27	28	20	26	21	26	32	32	32	36	..	33.5
Paducah	Maximum	64	66	62	63	61	58	44	39	37	37	46	55	62	63	68	75	77	75	75	70	54	46	41	38	38	58	67	69	72	68	..	58.3
	Minimum	44	40	46	51	52	40	38	34	33	32	26	26	32	34	45	58	44	50	59	47	30	34	36	29	23	30	33	35	32	37	..	37.7
Princeton	Maximum	69	65	61	64	59	55	40	39	37	36	47	56	62	65	68	70	75	74	73	70	54	49	44	39	40	61	66	68	72	71	..	58.3
	Miuimum	45	39	41	50	52	38	37	32	30	31	30	24	33	34	32	36	44	48	60	46	28	31	35	28	23	31	36	34	34	40	..	36.7
Russellville§§	Maximum	73	65	63	59	62	43	40	40	34	33	41	..	..	..	..	..	..	..	..	..	26	52	51	26	26	30	27	20	26	27	31	33	32	*55.0
	Minimum	43	36	37	42	46	39	35	31	29	29	22	21	..	..	..	..	..	..	..	..	26	52	51	26	26	30	27	20	26	27	31	33	32	*32.7
Central Division.																																	
Anchorage	Maximum	68	60	60	69	62	54	42	38	38	38	42	52	62	68	62	69	76	74	69	64	48	44	46	38	40	57	65	68	67	68	..	56.5
	Minimum	45	36	34	47	50	40	35	33	31	31	27	24	28	29	31	34	41	40	47	40	25	25	31	23	20	26	31	29	31	33	..	33.2
Bowling Green	Maximum	67	63	63	59	63	52	51	40	37	39	41	52	62	64	65	68	73	71	68	64	45	47	46	42	47	54	64	65	67	68	..	56.9
	Minimum	47	45	42	49	49	40	38	35	32	32	30	26	38	41	34	38	41	56	60	52	32	30	37	35	32	34	30	32	34	40	..	37.0
Clermont	Maximum	70	59	62	55	59	62	43	38	34	36	43	..	62	67	66	72	79	76	71	67	..	50	47	41	45	59	57	69	71	70	..	*58.2
	Minimum	45	30	26	27	44	41	31	31	30	29	27	..	18	24	26	29	31	39	50	38	..	21	28	26	28	28	28	26	24	29	..	*30.2
Danville	Maximum	68	66	64	61	70	61	43	39	39	38	37	53	64	70	71	70	77	75	73	70	54	44	54	42	51	59	66	70	70	72	..	59.7
	Minimum	44	39	34	43	48	41	35	32	26	28	29	23	27	32	32	35	35	46	53	46	30	25	35	27	19	33	29	33	35	38	..	34.4
Dix Dam	Maximum	69	69	63	61	67	66	45	39	40	36	37	53	61	69	65	68	77	74	69	68	49	47	46	42	40	47	54	63	68	67	..	57.8
	Minimum	47	40	36	45	51	44	37	35	31	32	31	25	27	30	32	35	38	45	55	49	32	35	40	32	30	22	34	28	31	34	..	36.1
Eubank	Maximum	70	64	66	69	69	62	48	46	44	42	55	54	54	66	71	67	73	68	67	46	41	51	58	50	54	69	68	72	72	..	..	58.6
	Minimum	44	37	34	35	43	41	34	32	30	28	29	20	27	27	27	32	38	48	51	46	24	23	32	30	19	23	30	28	28	34	..	32.5
Frankfort	Maximum	65	52	58	66	65	58	42	39	37	36	27	55	52	68	65	69	78	73	70	65	50	45	42	42	45	59	66	68	69	72	..	57.7
	Minimum	46	38	34	42	48	42	35	32	30	30	26	26	27	29	31	38	36	46	48	28	24	26	27	20	31	25	28	27	30	..	..	32.8
Glasgow	Maximum	71	64	64	63	66	65	42	39	38	37	42	55	57	69	67	73	78	..	71	68	51	48	45	41	51	59	66	70	70	71	..	*58.7
	Minimum	46	38	37	41	44	41	36	34	31	31	31	21	24	28	28	33	35	..	56	49	27	27	37	32	22	31	27	29	30	35	..	*33.9
Greensburg	Maximum	66	58	62	62	63	63	42	38	37	37	37	51	58	64	64	64	70	70	80	68	50	48	41	41	47	51	64	51	71	69	..	56.1
	Minimum	46	37	36	48	45	41	37	34	30	31	31	20	22	25	27	31	40	51	61	50	26	25	37	32	22	31	25	28	27	32	..	34.1
Irvington	Maximum	70	68	68	59	62	55	42	38	34	34	41	54	62	63	61	70	78	75	70	67	48	48	46	39	42	58	64	68	68	68	..	56.8
	Minimum	45	35	33	46	48	37	34	31	27	28	28	29	32	30	33	32	48	56	60	27	26	38	25	19	29	31	31	32	35	..	..	33.4
Leitchfield	Maximum	51	64	65	58	60	58	43	40	38	36	45	57	65	70	68	74	79	76	72	67	53	46	47	41	49	59	68	71	74	73	..	59.5
	Minimum	44	37	40	47	48	37	35	32	30	29	24	29	31	34	37	39	47	55	65	27	27	27	35	28	20	29	32	36	33	38	..	36.1
Lexington	Maximum	68	61	65	59	67	45	40	38	39	35	48	53	62	70	65	70	79	74	58	53	49	46	48	38	46	57	64	68	69	69	..	56.1
	Minimum	42	38	37	46	50	38	35	29	28	30	24	26	30	35	36	37	43	49	55	32	30	29	35	24	20	33	33	36	39	40	..	35.3
Louisville	Maximum	62	59	61	59	62	58	42	37	35	35	48	53	61	62	60	68	75	74	70	68	49	46	45	39	42	55	64	66	68	67	..	56.2
	Minimum	46	41	40	51	52	40	36	33	31	31	31	31	36	40	40	48	44	53	68	40	33	34	33	28	26	36	38	40	40	42	..	39.1
Do. Bowman Field	Maximum	67	59	61	58	62	55	42	37	34	36	48	58	63	62	66	69	75	74	72	66	48	44	46	39	41	57	65	67	67	67	..	56.8
	Minimum	44	39	36	50	51	40	36	32	31	31	29	26	33	8	34	35	42	49	59	37	30	29	32	26	23	31	35	34	36	35	..	36.0
Mammoth Cave	Maximum	60	64	65	59	62	44	44	39	35	37	41	55	63	68	67	70	78	69	72	60	50	42	40	33	49	57	66	67	70	69	..	56.2
	Minimum	44	35	35	41	46	42	36	32	27	29	29	20	22	25	28	33	35	45	56	38	24	22	29	29	15	26	27	28	28	33	..	32.6
St. John	Maximum	68	52	65	61	59	65	55	38	34	35	43	55	61	66	65	69	76	73	69	67	51	43	46	40	48	55	54	66	70	67	..	57.0
	Minimum	43	35	32	45	48	32	34	29	28	27	27	19	22	20	26	30	35	39	54	45	19	23	33	27	12	25	26	27	26	30	..	30.6
Shelbyville	Maximum	62	61	61	59	61	57	41	37	34	34	42	54	60	64	64	69	71	72	69	65	50	43	45	40	41	57	64	67	68	69	..	56.0
	Minimum	43	34	32	48	47	37	32	30	27	27	27	22	26	29	29	31	36	46	51	45	26	25	35	28	19	28	30	29	33	34	..	32.7
Smith's Grove	Maximum	60	65	66	61	62	52	41	39	34	38	41	58	63	69	67	72	76	78	76	66	52	46	48	38	49	57	64	68	70	70	..	57.8
	Minimum	40	36	38	47	51	39	36	33	31	31	26	23	27	30	31	37	41	44	54	35	27	28	37	21	21	31	30	33	40	40	..	34.3
Stearns	Maximum	69	68	65	62	70	54	45	36	36	36	35	52	66	70	68	69	77	72	70	65	46	55	56	36	54	55	66	69	70	64	..	57.7
	Minimum	39	36	38	45	47	39	35	32	30	30	24	34	36	39	43	48	47	56	60	46	32	31	36	24	21	32	33	35	37	39	..	37.2
Taylorsville	Maximum	69	67	60	65	60	60	41	39	38	39	40	45	62	67	62	72	70	75	78	74	60	45	47	42	44	59	60	67	70	68	..	57.7
	Minimum	45	35	38	38	41	39	39	32	30	29	31	24	26	29	32	34	36	49	48	51	36	25	35	28	19	30	30	32	33	35	..	34.6
Williamstown	Maximum	67	58	66	63	63	60	47	40	39	35	40	49	60	64	62	64	73	74	70	67	50	44	45	40	42	54	63	64	66	65	..	56.3
	Minimum	45	38	37	45	49	42	37	32	30	29	29	29	33	37	38	39	39	53	56	46	29	27	34	24	22	31	36	38	40	41	..	36.8
Eastern Division.																																	
Annville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	62	63	53	55	66	65	50	43	40	38	37	52	63	65	69	67	73	77	74	64	50	46	50	43	49	58	65	67	71	69	..	57.9
	Minimum	50	42	38	39	45	50	41	36	29	31	31	31	26	28	28	33	31	36	43	46	30	28	38	32	21	31	25	29	28	30	..	33.9
Berea	Maximum	68	61	66	62	70	66	45	38	38	36	35	50	61	66	66	67	76	75	69	66	51	45	51	40	47	61	67	66	68	64	..	57.5
	Minimum	43	38	37	42	45	42	31	30	27	27	27	22	30	35	35	37	38	45	53	46	27	26	34	27	15	31	30	37	42	38	..	34.7
Farmers	Maximum	70	62	65	65	73	67	50	46	39	38	38	53	64	70	68	69	80	79	78	69	49	45	50	45	49	55	66	69	68	68	..	60.2
	Minimum	47	42	31	37	45	48	37	34	31	33	22	22	24	27	29	31	37	44	47	29	21	25	31	31	16	24	22	27	26	28	..	31.6
Heidelberg	Maximum	73	64	67	57	68	62	51	39	40	38	36	57	64	70	69	71	80	74	71	64	52	40	51	42	51	57	65	69	71	69	..	59.2
	Minimum	48	35	32	39	44	47	37	36	32	32	32	26	30	24	27	30	31	36	39	46	27	21	37	32	19	27	31	26	26	35	..	31.8
Lynch [near]	Maximum	69	65	61	60	60	59	56	58	58	56	42	58	58	61	58	66	68	66	66	68	67	66	65	64	64	66	65	64	62	63	..	62.4
	Minimum	45	29	36	41	41	30	29	23	16	10	9	16	36	38	41	39	36	40	43	25	21	23	21	20	14	28	33	38	37	39	..	29.9
Maysville	Maximum	68	60	62	60	63	58	47	39	39	37	36	52	62	65	65	67	77	74	72	65	48	46	49	41	47	55	63	65	68	65	..	57.2
	Minimum	48	42	34	39	49	46	39	35	31	32	31	27	27	30	30	34	32	41	47	47	30	24	36	28	19	28	28	30	30	32	..	34.2
Middlesboro	Maximum	68	65	64	67	67	69	65	55	49	48	41	47	50	62	66	67	69	74	71	69	69	64	59	56	50	45	57	55	64	64	59	60.1
	Minimum	55	35	34	41	39	48	40	36	32	32	26	19	21	22	25	29	29	29	33	36	45	39	40	36	21	22	25	24	26	28	..	31.8
Mount Sterling	Maximum	70	66	60	60	68	49	48	37	36	37	35	40	62	68	68	67	75	74	70	64	45	42	42	38	44	51	58	67	67	64	..	55.6
	Minimum	50	40	38	41	48	47	36	33	27	29	29	26	33	33	32	35	40	42	51	45	30	26	36	27	19	32	28	36	32	37	..	35.3
Pikeville	Maximum	74	66	69	60	74	66	46	43	42	38	37	49	64	69	71	70	80	77	75	65	50	52	56	46	52	56	63	65	70	64	..	60.1
	Minimum	44	41	35	40	41	46	37	36	34	33	28	24	23	28	28	31	32	36	46	44	28	25	36	27	22	25	23	28	29	29	..	32.4
Pippapass	Maximum	73	67	70	62	73	65	51	43	39	37	37	53	62	71	72	73	81	78	76	70	62	55	56	49	55	56	64	69	69	67	..	61.8
	Minimum	55	40	33	38	35	49	38	34	31	30	29	20	20	24	26	31	30	35	38	48	28	21	37	33	20	26	22	27	27	29	..	31.6
Quicksand	Maximum	73	65	68	61	75	62	45	39	39	37	35	53	70	74	70	73	85	79	76	65	54	44	55	42	55	60	69	72	72	64	..	61.0
	Minimum	48	38	38	38	46	43	35	30	30	31	31	22	20	23	25	28	42	33	37	45	28	29	38	32	20	24	22	24	43	27	..	32.4
Richmond	Maximum	66	60	65	63	68	55	44	40	40	38	38	56	60	68	68	68	75	75	70	65	46	46	48	38	46	55	63	70	68	66	..	57.1
	Minimum	50	40	43	40	42	42	40	34	30	30	30	26	34	40	40	44	44	52	55	55	50	30	37	31	22	28	26	43	44	43	..	38.2
Williamsburg	Maximum	70	63	67	63	70	65	56	43	40	39	37	51	64	68	69	70	75	74	68	67	56	44	55	46	53	54	65	67	68	65	..	59.7
	Minimum	50	40	36	44	43	55	40	34	33	30	30	20	28	25	27	30	35	39	47	41	28	26	39	34	22	26	26	27	27	30	..	33.6
Winchester	Maximum	69	66	62	59	66	61	42	37	37	34	35	52	60	66	63	69	74	71	68	65	45	41	47	38	46	54	61	66	68	67	..	55.4
	Minimum	45	39	38	44	50	40	38	38	28	28	25	30	38	38	40	39	50	54	42	29	27	35	26	19	28	30	35	38	26	..	..	35.5

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

a, b, c etc. indicate respectively 1, 2, 3 etc. days missing from record.

W B O Louisville. 12-27 41 1100

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL:

VOL. XLVI LOUISVILLE, KY., DECEMBER, 1941 NO. 12

GENERAL SUMMARY.

Abnormally high temperature during the first five days and in the period 17-26th, with daily averages ranging from 45° to 55°, favored continued slow growth of winter grains and pastures. Much wheat that was quite small at the beginning of the month increased considerably in size and developed better root systems. Barley and rye continued to furnish some pasturage, while bluegrass pastures remained serviceable for more than half of the month. The prevalence of mild temperature, together with the available pasturage, reduced considerably the feeding usually necessary for livestock and favorably affected milk and egg production. Growth of grass and grains was greatest on the limestone uplands and warm slopes. Temperatures were too low during about three-fourths of the month to evoke much response from vegetation on the colder and heavier soils. Some freezing and thawing unfavorable for grains occurred on a few days in the first half, but at a time when there was little or no excess of moisture in the top soil. Grains suffered no apparent injury from this cause.

Prior to heavy rains that began on the 23d, the weather was relatively dry; therefore winter plowing advanced at a rate better than usual during this part of the winter. While the aggregate precipitation in the first three weeks was much less than normal, showers and moist atmospheric conditions prevailed often enough to condition tobacco for stripping. Through the expedient of bulking to conserve moisture, tobacco farmers were able to strip and market the weed without interruption. The mild temperature during so much of the period aided in the process of handling. The absence of snow and of inclement weather of every kind favored all outdoor work and care of livestock. Weather conditions during the first three weeks enabled farmers to gather corn on most days, and this work was generally completed. The prevailing dryness improved the condition of corn in shock and crib. Heavy rainfall late in the month flushed the smaller streams and caused considerable runoff. Increase of water in wells and springs following these rains showed for the first time this year some lifting of the water table.

TEMPERATURE.

The average temperature for the State was 4.6° above normal. Daily means in the periods 1st-5th, 17-26th, and on the last day were 10° to 20° above the seasonal average, with maxima above 60° on several days. Temperatures that were moderately subnormal occurred in the periods 6-7th, 9-15th and 28-30th. The coldest weather centered about the 11th, when minima ranged from 10° to 15° at most stations. Extremes for the State were 72° at Danville on the 23d and 11° at Farmers on the 11th.

PRECIPITATION.

Precipitation for the State averaged somewhat more than two-thirds of the normal amount. In a north-south belt across the central part of the State, a considerable area in the southeastern mountain region, and at a few extreme western stations amounts ranged from 3.0 to 4.5 inches. Most other districts received from 2.0 to 3.0 inches, but several northeastern counties and the region about the lower Tennessee and Tradewater rivers had less than 2.0 inches. For the State amounts varied between 1.41 inches at Murray and 5.08 inches at Bowling Green. Light to moderate showers occurred generally in the periods 2d-6th, and 23d-26th, with heavy rains in some localities on the 24 and 24th. Moderate to heavy rain visited all parts of the State from the 12th to 14th. Snow in measurable amounts occurred in a few eastern districts, but most stations reported no more than flurries. Light snow fell on the 12th, 13th, and daily from the 28th to 31st. A thunderstorm was reported from the western part of the State on the 22d and from central and eastern districts on the 23d.

MISCELLANEOUS.

The Ohio and its tributaries in the State rose slightly in the last week, but during most of the month pool stages prevailed.

PRESSURE, WIND, HUMIDITY AND SUNSHINE.

Stations.	Atmospheric pressure (reduced to sea-level.) Mean.	Highest.	Date.	Lowest.	Date.	Wind. Av. hourly velocity.	Maximum velocity.	Direction.	Date.	Relative humidity. 6.30 a. m.	12.30 p. m.	6.20 p. m.	Percentage of sunshine.
Cairo.....Ill.	30.11	30.55	29	29.38	23	8.0	24	sw.	28	83	68	....	44
Cincinnati.....Ohio	30.12	30.58	11	29.37	23	8.0	26	w.	5	83	66	73	34
Evansville.....Ind.	30.10	30.55	29	29.32	23	8.1	26	nw.	8	84	66	75	44
Louisville.....Ky.	30.10	30.55	29	29.33	23	8.7	34	w.	23	83	66	72	36

COMPARATIVE DATA FOR DECEMBER.

Year.	Temperature. Mean.	Highest.	Lowest.	Precipitation †Average.	Average snowfall.	Number of days. Precipitation .01 inch or more	Clear.	Partly cloudy.	Cloudy.
1889	50.2	76	13	1.57	....	..	..	..	..
1890	37.8	70	12	3.51	....	..	..	..	..
1891	42.4	70	15	4.10	....	..	..	..	..
1892	34.6	74	− 3	4.22	....	..	..	..	..
1893	39.0	78	10	2.69	....	..	..	..	..
1894	38.7	76	−11	4.31	....	10	..	..	..
1895	38.8	77	6	4.43	....	9	7	9	15
1896	39.6	73	7	1.82	....	4	14	8	9
1897	38.0	72	3	3.75	2.5	10	5	8	18
1898	34.1	70	−12	2.74	5.7	8	14	7	10
1899	34.8	70	−15	4.26	2.6	10	12	8	11
1900	38.6	70	12	2.59	0.1	8	13	6	12
1901	32.3	72	−22	4.90	5.7	10	8	7	16
1902	36.7	72	− 3	7.36	2.4	12	7	5	19
1903	30.7	58	0	2.88	2.0	7	16	6	9
1904	36.4	72	− 2	4.30	2.4	11	10	5	16
1905	37.3	66	11	4.38	1.2	8	11	5	15
1906	39.0	76	− 9	5.64	1.6	15	8	4	21
1907	38.5	70	8	3.20	1.0	11	8	5	18
1908	39.8	74	7	2.42	0.4	9	11	6	14
1909	29.9	79	−14	3.46	3.3	9	10	5	16
1910	31.1	66	− 3	3.37	6.6	8	11	5	15
1911	41.6	74	11	6.25	0.4	12	9	4	18
1912	37.2	73	5	3.98	5.2	9	14	5	12
1913	39.5	70	11	2.73	1.6	7	10	5	16
1914	32.8	70	−16	5.22	7.7	14	6	4	21
1915	37.0	64	9	7.56	3.8	12	10	6	15
1916	35.5	74	−14	4.23	10.1	10	12	7	12
1917	26.5	72	−21	2.01	17.3	8	10	7	14
1918	44.8	75	14	4.44	0.7	12	10	6	15
1919	34.6	68	3	4.93	1.0	7	12	5	14
1920	38.6	68	4	2.89	2.0	9	9	6	16
1921	41.7	73	18	4.40	0.1	7	10	6	15
1922	41.5	77	5	5.64	0.2	12	10	6	15
1923	46.6	75	8	6.60	2.1	14	9	5	17
1924	35.9	79	− 9	5.97	1.2	9	13	5	13
1925	34.8	70	− 5	0.89	1.7	5	13	6	12
1926	37.8	75	5	5.01	0.3	12	8	5	18
1927	37.4	77	1	3.37	0.5	10	14	4	13
1928	39.5	72	5	2.32	T.	7	17	5	9
1929	39.0	76	−15	2.72	6.8	11	10	5	16
1930	35.4	69	2	2.21	2.6	8	10	7	14
1931	46.1	73	17	5.48	0.0	13	7	5	19
1932	37.9	72	− 8	4.32	1.9	12	10	6	15
1933	44.2	75	− 5	4.99	1.4	10	9	7	15
1934	37.0	69	5	2.18	1.5	9	10	6	15
1935	30 0	63	−14	2.39	9.0	9	8	7	16
1936	40 5	70	10	4.51	2.0	10	13	5	13
1937	35.5	68	0	2.94	2.0	12	7	6	18
1938	37.9	67	3	1.85	0.2	7	13	7	11
1939	38.8	72	− 2	2.32	6.6	7	13	6	12
1940	42.7	75	6	3.16	T.	11	8	7	16
1941	42.5	72	11	2.80	T	8	8	8	15
Period	37.9	79	−22	3.83	3.0	10	10	6	15

†53 Year average.

Climatological Data for December, 1941.

Stations	Counties	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahr.							Precipitation in inches				Number of days.					Observers
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall unmelted.	With precip. 0.01 in. or more.	Clear.	Pt. cloudy.	Cloudy.	Prevailing direction of wind.	
WESTERN DIVISION																				
Beaver Dam	Ohio *	441	29	42.3	+ 5.2	67	1	18	7†	37	3.06	−0.65	1.45	0.0	8	9	5	17	sw.	Eldred G. Young.
Calhoun	McLean	437	37	b42.7	+ 3.7	70b	1	21	7†	38	2.33	−1.98	0.88	0.0	6	11	5	15	.....	R. O. Bennett.
Earlington	Hopkins	420	47	43.4	+ 4.5	69	1	18	7†	39	2.04	−2.23	0.89	T.	6	12	2	17	sw.	Brick Southworth.
Ford's Ferry, Dam 50.	Crittenden	356	12	.....	.....	.....	.....	.....	.....	.....	1.88	−1.24	0.82	0.1	7	.....	.....	.....	.....	Lockmaster.
Gilbertsville	Marshall	431	2	.....	.....	.....	.....	.....	.....	.....	1.76	.....	0.71	0.0	4	.....	.....	.....	.....	Tennessee Valley Authority.
Greenville	Muhlenburg	519	24	42.6	+ 3.4	67	21	17	7†	37	2.71	−1.25	0.80	0.0	9	12	9	10	s.	C. R. Lovell.
Hartford, [near]	Ohio	640	2	.....	.....	.....	.....	.....	.....	.....	2.25	.....	0.90	T.	7	10	2	19	.....	W. R. Carson, Sr.
Henderson	Henderson	382	19	41.6	.....	71	1	18	7	37	2.88	−1.76	1.30	0.0	5	11	5	15	nw.	George Street.
Hopkinsville	Christian	524	45	42.4	+ 3.4	66	21	19	7	33	2.42	−2.46	0.84	0.0	8	9	19	3	s.	W. K. Morris.
Lovelaceville	Ballard	479	12	43.2	+ 4.0	68	21	19	7	37	3.71	−0.40	1.47	0.0	5	14	5	12	s.	Blaine Malone.
Mayfield	Graves	364	32	43.0	+ 2.6	67	20	21	29	30	2.28	−2.09	0.65	0.0	9	9	10	12	s.	Mrs. Joe Payne.
Murray	Calloway	412	15	43.1	+ 3.9	67	20	22	29	36	1.41	−3.28	0.62	T.	3	2	6	23	n.	Ralph B. Wear.
Owensboro	Daviess	420	44	41.4	+ 4.2	68	1	19	7†	32	2.44	−1.30	1.19	T.	6	8	7	16	se.	Henry S. Berry.
Owensboro, Dam 46	Daviess	404	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster.
Paducah	McCracken	341	21	.....	.....	.....	.....	.....	.....	.....	2.73	−1.46	1.53	0.0	7	.....	.....	.....	.....	Joe Lagore. *
Princeton	Caldwell	529	34	43.4	+ 4.7	66	20	20	29	38	1.95	−2.41	0.74	0.0	10	7	8	16	s.	S. J. Lowry.
Rumsey, Lock 25	McLean	384	24	.....	.....	.....	.....	.....	.....	.....	1.94	−1.88	0.80	0.0	7	.....	.....	.....	.....	Lockmaster.
Russellville	Logan	590	28	.....	.....	.....	.....	.....	.....	.....	2.07	−1.91	0.68	0.0	9	.....	.....	.....	.....	Wm. Shelton.
Uniontown, Dam 49	Union	357	13	.....	.....	.....	.....	.....	.....	.....	2.77	−0.33	1.46	T.	6	.....	.....	.....	.....	Lockmaster.
CENTRAL DIVISION.																				
Addison, Dam 45	Breckinridge	352	13	.....	.....	.....	.....	.....	.....	.....	2.32	−1.29	0.65	0.0	7	.....	.....	.....	.....	Lockmaster.
Anchorage	Jefferson	700	41	40.5	+ 5.6	65	1†	15	15	37	3.84	−0.02	2.43	T.	8	7	10	14	sw.	C. E. Barret.
Bowling Green	Warren	500	45	44.9	+ 5.9	69	4	21	15	33	5.08	+0.56	1.40	0.0	7	9	8	14	.....	Mrs. Lillie G. Causey.
Brownsville, Lock 6 ‡	Edmonson	410	24	.....	.....	.....	.....	.....	.....	.....	3.62	−1.12	0.84	0.0	8	.....	.....	.....	.....	Lockmaster.
Burnside	Pulaski	705	50	.....	.....	.....	.....	.....	.....	.....	3.55	−1.20	1.60	0.0	10	.....	.....	.....	.....	Sarah E. Lewis.
Carrollton, Lock 1	Carroll	480	42	.....	.....	.....	.....	.....	.....	.....	2.86	−0.25	1.35	0.0	6	.....	.....	.....	.....	Lockmaster.
Clermont	Bullitt	474	3	42.0	.....	67	1†	12	15	32	4.72	.....	1.49	0.0	8	8	14	9	sw.	R. P. Amos.
Cold Spring, Dam 36	Campbell	489	16	.....	.....	.....	.....	.....	.....	.....	3.20	+0.37	1.95	T.	9	.....	.....	.....	.....	Lockmaster.
Danville	Boyle	955	17	44.7	.....	72	23	19	11†	40	2.73	−1.11	1.05	0.0	10	8	10	13	sw.	R. P. Coldiron.
Dix Dam, Burgin	Mercer	770	17	43.5	+ 3.5	65	1†	19	15	36	2.61	−1.09	1.04	0.0	8	9	5	17	.....	Kentucky Utilities Co.,
Eadsville	Wayne	622	1	.....	.....	.....	.....	.....	.....	.....	3.27	.....	1.35	0.0	9	.....	.....	.....	.....	Joe Nortleet.
Enbank	Pulaski	1177	46	42.5	+ 5.5	67	1	15	15	34	2.96	−1.20	1.30	0.0	7	9	9	13	.....	Mrs. Katie Payne.
Frankfort, Lock 4	Franklin	504	43	41.9	+ 5.0	66	1	16	15	40	2.21	−1.59	0.75	0.0	6	8	6	17	w.	Lockmaster.
Gest, Lock 3	Henry	490	31	.....	.....	.....	.....	.....	.....	.....	2.43	−1.36	1.12	0.0	7	.....	.....	.....	.....	Lockmaster.
Glasgow	Barren	760	14	44.4	+ 0.2	70	1	19	15	37	2.16	−2.99	1.00	0.0	9	8	17	6	se.	L. E. Turner.
Grant, Dam 38	Boone	506	16	.....	.....	.....	.....	.....	.....	.....	2.78	+0.18	1.25	T.	7	.....	.....	.....	.....	Lockmaster.
Greensburg	Green	581	48	43.6	+ 6.3	67	21†	17	15	25	2.60	−1.92	1.65	0.0	9	3	1	27	s.	Mrs. Bettie K. H. Alcorn.
High Bridge, Lock 7	Jessamine	544	39	.....	.....	.....	.....	.....	.....	.....	2.36	−1.67	0.84	T.	10	.....	.....	.....	.....	Lockmaster.
Irvington	Breckinridge	646	43	41 1	+ 3.8	68	1	16	15	36	2.70	−1.23	1.28	T.	8	9	8	14	s.	L. O. Stiles.
LaGrange	Oldham	850	1	.....	.....	.....	.....	.....	.....	.....	3.25	.....	1.21	T.	6	16	3	12	sw.	J. C. Ogg.
Lancaster	Garrard	1032	15	.....	.....	.....	.....	.....	.....	.....	4.70	+1.54	1.28	0.0	12	.....	.....	.....	.....	Kentucky Utilities Co.
Leitchfield	Grayson	635	43	44.0	+ 6.8	65	21	18	15	36	4.05	−0.69	1.70	T.	6	4	9	18	sw.	D. Lem Hughes
Lexington	Fayette	989	67	41.0	+ 5.2	65	3	18	11	31	2.28	−1.49	1.04	T.	11	9	8	14	.....	U. S. Weather Bureau.
Little Hickman, Lock 8	Jessamine	560	31	.....	.....	.....	.....	.....	.....	.....	2.88	−0.80	1.09	0.0	8	.....	.....	.....	.....	Lockmaster.
Lockport, Lock 2	Henry	485	31	.....	.....	.....	.....	.....	.....	.....	2.88	−0.80	1.33	0.0	7	.....	.....	.....	.....	Lockmater.
Louisville	Jefferson	459	68	42.0	+ 4.4	65	1	21	11	29	3.41	−0.33	1.95	T.	9	5	6	20	sw.	U.S. Weather Bureau.
Do Bowman Field	Jefferson	558	3	40.6	.....	64	21	20	15	33	3.16	.....	1.56	T.	9	.....	.....	.....	.....	U. S. Weather Bureau.
Mammoth Cave	Edmonson	800	6	40.4	.....	67	1†	12	15	41	3.00	.....	0.78	0.0	9	8	5	18	sw.	Ivan J. Elsworth.
Monticello	Wayne	910	3	.....	.....	.....	.....	.....	.....	.....	3.17	.....	1.30	0.0	7	8	7	16	.....	E. O. Cooper.
Munfordville	Hart	600	12	.....	.....	.....	.....	.....	.....	.....	2.60	−0.48	0.88	0.0	7	.....	.....	.....	.....	Chester Williams.
St. John	Hardin	777	45	41.0	+ 5.2	66	1†	18	7	44	3.47	−1.05	1.20	0.0	14	5	9	17	.....	Sisters of Loretto.
Salvisa, Lock 6	Mercer	520	26	.....	.....	.....	.....	.....	.....	.....	2.38	−2.02	1.03	0.0	9	.....	.....	.....	.....	Lockmaster.
Shelbyville	Shelby	825	48	41 1	+ 5.4	65	23	15	15	34	3.16	−1.02	1.28	0.0	6	6	3	22	sw.	Willa S. A. Ratta.
Smith's Grove	Warren	607	3	43.6	.....	68	21	20	15	34	2.82	.....	1.19	0.0	6	5	12	19	s.	C. W. Gurnsey.
Stearns	McCreary	1400	5	42.6	.....	68	21	18	15	29	3.66	.....	1.07	T.	9	7	6	14	sw.	Airway Station.
Taylorsville	Spencer	489	35	40.5	+ 4.1	70	1	15	13	55	.....	.....	.....	0.0	.....	19	7	5	e.	J. D. Brown.
Tyrone, Lock 5	Anderson	524	23	.....	.....	.....	.....	.....	.....	.....	2 25	−1.84	0.75	0.0	11	.....	.....	.....	.....	Lockmaster.
Williamstown	Grant	948	38	41.4	+ 6.6	65	2	16	11†	35	2.03	−1.51	0.56	0.0	7	12	5	14	e.	Miss Nettie B. Simpson.
Woodbury, Lock 42	Butler	504	24	.....	.....	.....	.....	.....	.....	.....	3.41	−0.81	1.05	0.0	8	.....	.....	.....	.....	Lockmaster.
EASTERN DIVISION.																				
Annville	Jackson	.....	10	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Robert Johnson.
Ashland	Boyd	534	24	42.5	+ 3.8	67	22	17	15	34	1.85	−1.80	0.67	T.	6	12	3	16	w.	Lockmaster.
Berea	Madison	1070	38	42.5	+ 4.5	68	8	12	11†	32	3.04	−1.22	1.24	0.0	9	5	7	19	s.	D. H. Center.
College Hill, Lock 11	Madison	611	31	.....	.....	.....	.....	.....	.....	.....	3.02	−0.96	1.08	0.0	10	.....	.....	.....	.....	Lockmaster.
Cynthiana	Harrison	684	23	.....	.....	.....	.....	.....	.....	.....	2.80	−1.05	0.82	0.0	7	.....	.....	.....	.....	S. M. Hill.
Falmouth	Pendleton	600	52	.....	.....	.....	.....	.....	.....	.....	1.67	−1.95	0.48	0.0	7	.....	.....	.....	.....	Jessie Oldham.
Farmers	Rowan	668	34	42.2	+ 5.3	68	1†	11	11	41	2 60	−1.26	0.91	0.0	12	7	6	18	w.	Mrs Corda C. Stamper.
Flemingsburg	Fleming	870	16	.....	.....	.....	.....	.....	.....	.....	2.14	−1.26	0 75	0.0	6	.....	.....	.....	.....	C. A. Glasscock.
Ford, Lock 10	Clark	593	25	.....	.....	.....	.....	.....	.....	.....	2.84	−0.88	1.00	0.0	10	.....	.....	.....	.....	Lockmaster.
Grayson	Carter	589	7	44.4	.....	69	23	15	15	48	3.38	−0.41	0.77	0.0	7	.....	.....	.....	.....	Mrs. Ruby A. Burton.
Greenup, Dam 30	Greenup	540	21	.....	.....	.....	.....	.....	.....	.....	2.83	−0.46	1.30	0.0	7	.....	.....	.....	.....	Lockmaster.
Hazard	Perry	869	17	.....	.....	.....	.....	.....	.....	.....	3.03	−1.69	1.48	0.0	10	.....	.....	.....	.....	H. A. Baily.
Heidelberg, Lock 14	Lee	663	6	42.6	.....	65	1†	13	15	35	3.42	−0.24	1 24	0.0	10	7	1	23	sw.	Lockmaster.
Jackson	Breathitt	776	17	.....	.....	.....	.....	.....	.....	.....	3.55	.....	1.18	0.0	7	.....	.....	.....	.....	Jas. T. Goff.
Jenkins	Letcher	1566	15	.....	.....	.....	.....	.....	.....	.....	3.10	−0.58	1.71	0.0	8	.....	.....	.....	.....	R. J. Howard.
Lonisa	Lawrence	584	38	.....	.....	.....	.....	.....	.....	.....	2.65	−0.99	0.76	0.0	10	.....	.....	.....	.....	Zeb Heston.
Lynch, [near]	Harlan	4000	1	41.8	.....	68	1†	12	15	50	1.81	.....	0.50	1.0	8	8	2	21	n.	Jam s S. Allen.
Maysville Dam 33	Mason	524	43	41 4	+ 6 1	68	22	16	11†	36	1.72	−2 01	0 55	0.2	8	3	14	14	e.	Lockmaster.
Middlesboro	Bell	1126	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Matthew Woodson,
Mount Sterling	Montgomery	920	48	41 4	+ 5 8	65	22	18	15	30	2.09	−2 33	1 10	0 0	6	9	17	5	w.	W. B. McKee.
Oneida	Clay	800	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Garret Combs.
Oneonta, Dam 35	Campbell	497	19	.....	.....	.....	.....	.....	.....	.....	2.09	−1.32	0.91	T.	9	.....	.....	.....	..	Lockmaster.
Paintsville	Johnson	620	7	.....	.....	.....	.....	.....	.....	.....	3.31	.....	0.98	0.0	9	.....	.....	.....	.....	E. C. Fraley.
Pikeville	Pike	636	5	43.8	.....	70	5	19	15	37	3.26	−0.26	0.81	0.0	8	7	9	15	sw.	U. S. Weather Bureau.
Pippapass	Knott	1035	7	44.4	.....	69	23	15	15	48	3.04	.....	1.42	0.0	9	7	9	15	w.	Caney Run Com. Center.
Quicksand	Breathitt	732	15	43.2	+ 3.6	69	1	15	15	39	2.54	−0.41	1.23	0.0	7	.....	.....	.....	.....	R. W. Jones.
Ravenna, Lock 12	Estill	631	22	.....	.....	.....	.....	.....	.....	.....	2.86	−0.65	0.98	0.0	9	.....	.....	.....	.....	Lockmaster.
Richmond	Madison	926	44	43.8	+ 5.6	68	1	20	11	30	3.53	−0.69	1 20	0.0	9	10	10	11	.....	J. W. Crooke.
Valley View, Lock 9	Madison	571	28	.....	.....	.....	.....	.....	.....	.....	2.51	−1.40	1.05	0.0	9	.....	.....	.....	.....	Lockmaster.
Vanceburg, Dam 32	Lewis	528	24	.....	.....	.....	.....	.....	.....	.....	1.70	−2.10	0.47	0.0	6	.....	.....	.....	.....	Lockmaster.
Williamsburg	Whitley	939	44	44.6	+ 5.9	65	1†	17	15	36	2.88	−1.18	1.36	0.0	9	5	8	8	.....	Wadely West.
Willow, Lock 13	Lee	646	21	.....	.....	.....	.....	.....	.....	.....	3.99	−0.01	1.36	0.0	9	.....	.....	.....	.....	Lockmaster.
Winchester	Clark	964	4	41.8	.....	63	1†	18	11	30	2.49	.....	0.83	0.0	9	2	21	8	.....	Airway Station.
State averages and extremes		..	..	42.5	+ 4.6	72	23	11	11	50	2.80	−1.03	2.43	T.	8	8	8	15	sw.	

All temperature data are taken from self-registering thermometers.
The departures from normal temperature and precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determiningsection or division means. ‡Rumsey, Brownsville and Woodbury are Locks on the Green River; other Locks are on the KentuckyRiver
Reference letters, *, b, °, appearing in the table indicate number of days missing; for example, b represents two days, etc.
† Also on other dates. †† Received too late to be included in means and summaries T Precipitation is less than 0.01 inch rain or melted snow
*Rainfall record by U. S. Engineers; temperature record by Joe Lagore at Paducah No. 2.

Daily Precipitation for December, 1941.

Stations	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Western Division																																
Beaver Dam ..... G.	T.	.22	....	.13	....	....	....	....	....	....	....	.10	.65	....	....	....	....	....	....	....	....	.16	1.45	.08	....	.27	....	....	....	....	3.06
Calhoun ..... G.	....	....	....	.20	....	....	....	....	....	....	....	....	.75	....	....	....	....	....	....	....	....	.21	.88	....	.22	.07	....	....	....	....	2.33
Earlington [3] ..... G.	....	....	....	....	.01	....	....	....	....	T.	....	.72	....	....	....	....	....	....	....	....	....	....	.89	.20	....	.22	....	....	....	....	....	2.04
Fords Ferry Dam 50 [3] ..... O.	....	T.	T.	.01	.01	....	....	....	....	....	.03	.62	T.	....	....	....	....	....	....	T.	....	T.	.82	.08	....	.26	....	....	....	T.	1.83
Gilbertsville [3] ..... T.	....	....	.05	T.	....	....	....	....	....	....	....	.71	....	....	....	....	....	....	....	....	....	....	.69	....	....	.31	....	....	....	....	....	1.76
Greenville ..... G.	.06	.10	T.	.07	....	....	....	....	....	....	T.	.80	....	....	....	....	....	....	....	....	....	.10	.65	.66	.04	.25	....	....	....	....	....	2.71
Hartford ..... T.	T.	T.	....	.10	....	....	....	....	....	....	T.	.72	....	....	....	....	T.	....	T.	....	....	.14	.90	.07	.17	.15	....	T.	....	....	....	2.25
Henderson ..... O.	....	....	....	....	....	....	....	....	....	....	....	1.30	....	....	....	....	....	....	....	....	....	.63	.63	.06	.26	....	....	....	....	....	....	2.88
Hopkinsville [3] ..... C.	....	.06	.04	.07	....	....	....	....	....	....	T.	.84	....	....	....	....	T.	....	....	....	....	....	.80	.20	....	.39	....	....	....	....	.02	2.42
Lovelaceville ..... M.	....	.17	....	....	....	....	....	....	....	....	T.	.77	....	....	....	....	....	....	....	....	....	1.47	....	....	.50	....	....	....	....	....	.80	3.71
Mayfield ..... M.	T.	.11	.18	T.	....	....	....	....	....	....	T.	.07	.65	....	....	....	....	....	.02	....	....	.36	.47	....	.18	.02	....	....	....	....	....	2.23
Murray [3] ..... T.	T.	T.	....	....	....	....	....	....	....	....	T.	....	....	....	....	....	....	....	....	....	....	.62	.48	....	.31	....	....	....	....	T.	....	1.41
Owensboro [3] ..... O.	....	....	.10	....	....	....	....	....	....	....	....	.72	....	....	....	....	....	....	....	....	....	.15	1.19	.06	T.	.22	....	....	....	....	....	2.44
Owensboro, Dam 46 [3] ..... O.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Paducah [3] ..... O.	....	....	.01	.07	T.	....	....	....	....	....	T.	.76	....	....	....	....	....	....	....	....	....	.05	1.33	.17	....	.34	....	....	....	....	....	2.73
Princeton ..... G.	....	....	.02	.02	....	....	....	....	....	....	.08	.74	....	....	....	....	.01	....	....	....	....	.27	.60	.01	.20	.05	....	....	....	....	....	1.95
Ramsey, Lock No. 2 [3] ..... G.	....	....	....	.01	.03	....	....	....	....	....	....	.71	.02	....	....	....	....	....	....	....	....	....	.80	.17	....	.20	....	....	....	....	....	1.94
Russellville [3] ..... G.	.08	.06	....	.19	.02	....	....	....	....	....	....	.65	....	....	....	....	....	....	....	....	....	....	.68	.17	....	.14	.08	....	....	....	....	2.07
Uniontown, Dam 49 [3] ..... O.	....	....	....	T.	....	....	....	....	....	....	.01	.83	.07	....	....	....	....	....	....	....	....	T.	1.46	.09	....	.31	....	....	....	....	....	2.77
Central Division																																
Addison, Dam 45. [3] ..... O.	....	....	....	T.	.19	....	....	....	....	....	....	....	.57	.05	....	....	.01	....	....	....	....	....	.60	.65	....	.25	....	....	....	....	T.	2.32
Anchorage ..... O.	.05	T.	....	.13	....	....	....	....	....	....	....	....	.67	....	....	....	.06	....	....	....	....	T.	2.43	.10	.27	.13	....	....	....	....	....	....	3.84
Bowling Green [3] ..... G.	....	.05	....	1.32	....	....	....	....	....	....	....	....	.90	....	....	....	....	....	....	....	....	....	.11	1.40	....	.40	....	....	....	....	.90	....	5.08
Bowling Green No. 2 [3] ..... G.	....	.04	.62	.86	.10	....	....	....	....	....	....	....	.87	.04	....	....	....	....	....	....	....	....	.48	.82	....	.28	....	....	....	....	....	....	4.01
Brownsville, Lock No. 6 [3] ..... G.	....	.13	....	.84	.11	....	....	....	....	....	....	....	.72	....	....	....	....	.01	....	....	....	....	.69	.84	....	.28	....	....	....	....	....	....	3.62
Burnside [3] ..... G.	....	.62	.10	.22	.15	....	....	....	....	....	....	1.60	.05	....	....	....	....	....	....	....	....	....	.32	.28	....	.18	....	....	....	....	.03	....	3.55
Carrollton Lock No. 1 [3] ..... K.	....	.03	....	....	....	....	....	....	....	....	....	.55	.05	....	....	....	....	....	....	....	....	....	.33	1.35	....	.55	....	....	....	....	....	....	2.86
Clermont ..... S.	.03	.26	....	.22	....	....	....	....	....	....	....	.61	....	....	....	.65	....	....	....	....	....	....	1.49	.54	....	.89	....	....	....	....	....	....	4.72
Cold Spring, Dam 36 [3] ..... O.	....	.05	....	....	.02	T.	....	....	.05	....	....	.36	.07	....	....	....	....	....	....	....	....	....	.48	1.90	.04	.20	....	....	....	....	T.	....	3.20
Danville [3] ..... K.	....	.60	....	.12	.18	....	....	....	....	....	....	1.05	.06	....	....	....	T.	.03	....	....	....	....	.29	.19	....	.25	....	....	....	....	.01	....	2.73
Dix Dam, Burgin ..... K.	.42	....	.10	.14	....	....	....	....	....	....	1.04	....	....	....	....	.18	....	....	....	....	....	.27	.11	T.	.40	....	....	....	....	....	....	....	2.61
Eadsville [3] ..... G.	....	.62	....	.42	.07	....	....	....	....	....	....	1.35	.02	....	....	....	....	....	....	....	....	....	.25	.45	....	.07	....	....	....	....	.02	....	2.27
Eubank ..... C.	....	.61	.03	.20	....	....	....	....	....	....	....	1.30	....	....	....	....	....	....	....	....	....	....	.53	.27	....	....	....	....	....	....	.02	....	2.96
Frankfort, Lock No. 4 [3] ..... K.	....	.76	....	T.	.07	....	....	....	....	....	....	.69	T.	....	....	....	T.	....	....	....	....	....	.31	.29	....	.16	....	....	....	....	T.	....	2.21
Gest, Lock No. 3 [3] ..... K.	....	.16	....	T.	.08	....	....	....	....	....	....	.54	.07	....	....	....	....	....	....	....	....	....	.27	1.12	....	.19	....	....	....	....	T.	....	2.48
Glasgow ..... G.	....	.10	....	.43	.07	....	....	....	....	....	....	1.06	.01	....	....	....	....	....	....	....	....	....	.28	.14	....	.12	....	....	....	....	.01	....	2.16
Grant, Dam 33 [3] ..... O.	....	.01	....	....	.05	T.	....	T.	....	....	T.	.45	.04	....	....	....	....	....	....	....	....	....	.53	1.25	....	.41	....	....	....	....	T.	....	2.78
Greensburg [3] ..... G.	.04	.38	....	....	.01	....	....	....	....	....	....	1.55	....	....	....	....	....	.04	....	....	....	....	.30	.05	.01	.22	....	....	....	....	....	....	2.60
High Bridge, Lock No. 7 [3] ..... K.	....	.31	....	.09	.16	....	....	....	T.	....	....	.84	.22	....	....	.05	....	.03	....	....	....	....	.27	.07	....	.32	....	....	....	....	T.	....	2.36
Irvington ..... O.	....	....	....	.29	....	....	....	....	....	....	.12	.54	....	....	....	....	....	....	....	....	....	.02	1.28	.08	.03	.84	....	....	....	....	T.	....	2.70
LaGrange ..... O.	....	.06	....	.11	....	....	T.	....	....	....	T.	.57	....	....	....	....	....	....	....	....	....	....	1.21	1.00	....	.30	....	....	....	....	....	....	3.25
Lancaster [3] ..... K.	1.28	....	.23	.08	....	....	....	....	....	....	1.22	.07	....	....	.04	....	.02	....	....	....	....	.22	.18	....	.20	....	....	....	....	.01	1.20	4.70
Leitchfield [3] ..... G.	....	.27	....	.71	....	....	....	....	....	....	....	.63	....	....	....	....	....	T.	....	....	....	T.	.55	1.70	....	.19	....	....	....	....	....	....	4.05
Lexington [4] ..... K.	.31	.02	....	.18	.01	....	....	....	....	....	.88	.66	....	T.	....	....	....	....	....	....	....	.21	.13	.05	.24	....	....	T.	T.	....	.09	2.28
Little Hickman, Lock No. 8 [2] [4] ..... K.	....	.56	....	.18	.15	....	....	....	....	....	....	1.09	....	....	....	.09	....	....	....	....	....	....	.36	.18	....	.32	....	....	....	....	....	....	2.88
Lockport, Lock No. 2 [3] ..... K.	....	.24	....	....	.08	....	....	....	....	....	....	.82	.11	....	T.	T.	....	....	....	....	....	....	.32	1.33	....	.28	....	....	T.	....	T.	....	2.88
Lotusville [1] [5] ..... O.	.07	....	....	.12	....	....	T.	....	....	T.	.32	.34	....	T.	....	T.	....	....	....	....	....	.17	1.85	.02	.46	T.	....	T.	....	T.	.06	3.41
Do. Bowman Field ..... O.	.04	....	....	.11	....	....	T.	....	....	T.	.37	.35	....	....	....	T.	....	....	T.	....	....	.23	1.56	.04	.37	T.	....	T.	....	T.	.09	3.16
Mammoth Cave [2] ..... G.	....	.14	.16	.64	.13	....	....	....	....	....	T.	.78	.02	....	....	....	....	....	....	....	....	....	.39	.68	....	.13	....	....	....	....	T.	....	3.00
Monticello [3] ..... C.	....	.68	.05	....	....	.47	....	....	....	....	....	....	....	....	....	....	1.30	....	....	.40	....	....	....	....	....	.22	....	....	....	....	.05	3.17
Munfordville [2] ..... G.	....	.52	.42	T.	....	....	....	....	....	....	....	.88	.01	....	....	....	....	....	....	....	....	....	.33	.35	....	.11	....	....	....	....	....	....	2.60
St. John ..... S.	.02	.16	....	.31	.03	....	.02	....	....	....	....	.64	....	.01	.04	....	.11	....	.03	....	....	....	1.20	.64	.01	.22	....	....	....	....	....	....	3.37
Salvisa, Lock No 6 [2] [4] ..... K.	....	.31	T.	.05	.15	T	....	....	....	....	....	1.03	.04	....	....	....	....	....	....	....	....	....	.43	.14	....	.22	....	....	....	....	.01	....	2.38
Shelbyville ..... S.	....	.16	....	.16	....	....	....	....	....	....	....	.66	....	....	....	....	....	....	....	....	....	....	1.28	.50	....	.40	....	....	....	....	....	....	3.16
Smith's Grove [**] ..... G.	T.	....	....	....	....	....	....	....	....	T.	1.19	.12	....	....	....	....	....	....	....	....	....	.35	.60	....	....	....	....	....	....	....	.56	2.82
Stearns [**] ..... C.	.01	.39	....	.49	....	....	....	....	....	....	.89	1.07	....	....	....	....	....	....	....	....	....	.12	.31	....	.14	....	....	....	....	....	.24	3.66
Taylorsville ..... S.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.20	.01	....	....	....	....	1.60	....	.27	....	....	....	....	....	....	....
Tyrone, Lock No. 5 [2] [4] ..... K.	....	.18	....	.05	.10	....	....	....	....	....	....	.75	.10	....	....	.05	....	.03	....	....	....	....	.42	.32	....	.22	....	....	....	....	.03	2.25
Williamstown ..... L.	....	12	....	.09	....	....	....	....	....	....	....	.56	....	....	....	....	....	....	....	....	....	....	.47	.50	.03	.26	....	....	....	....	....	....	2.03
Woodbury, Lock No. 4 [3] ..... G.	....	.18	T.	.40	.10	....	....	....	....	....	....	.72	.03	....	....	....	....	....	....	....	....	....	.73	1.05	....	.20	....	....	....	....	....	....	8.41
Eastern Division																																
Annville [3] ..... C.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ashland [2] ..... O.	....	.67	.10	....	.15	....	....	T.	....	....	....	.63	....	....	....	....	....	....	....	....	....	....	....	.22	....	.08	....	....	....	....	....	....	1.85
Berea ..... K.	T.	.97	....	.16	.03	....	....	....	....	....	T.	1.24	T	....	....	.01	....	.01	....	....	....	....	.44	.16	....	.02	....	....	....	....	....	....	3.04
College Hill, Lock No. 11 [3] ..... K.	....	1.06	....	.12	.19	.02	....	....	....	....	....	1.08	.04	....	....	....	.04	....	....	....	....	....	....	.24	.04	.19	....	....	....	....	T.	....	3.02
Cynthiana [2] ..... K.	....	.64	....	....	.08	T.	....	....	....	....	....	.66	T.	....	....	....	....	....	....	....	....	....	.38	.09	T.	.13	....	....	....	....	.82	....	2.80
Falmouth [3] ..... L.	....	.08	....	.03	....	....	....	....	....	....	....	.48	.27	....	....	....	....	....	....	....	....	....	.38	.19	....	.24	....	....	....	....	T.	....	1.67
Farmers [3] ..... L.	....	.63	....	.03	.13	.02	....	T.	....	....	....	.91	.10	....	....	....	.06	....	....	....	....	....	.27	.28	.01	.19	....	....	....	....	.02	....	2.60
Flemingsburg [2] ..... L.	....	.28	....	....	.10	....	....	....	....	....	....	.75	....	....	....	....	....	....	....	....	....	....	.51	.09	....	.41	....	....	....	....	....	....	2.14
Ford Lock No. 10 [2] [4] ..... K.	....	.42	.04	.08	.03	T.	....	....	....	....	....	1.00	.10	....	....	....	....	.40	T.	....	....	....	.27	.24	T.	.26	....	....	....	....	T.	....	2.84
Grayson [2] ..... O.	....	.77	....	....	.05	.10	....	....	....	....	....	.68	....	....	....	....	....	....	....	....	....	....	.38	.20	....	.15	....	....	....	....	T.	....	2.33
Greenup Dam 30 [3] ..... O.	....	.39	.15	....	.14	....	....	....	....	....	....	.44	.13	....	....	....	....	....	....	....	....	....	.28	....	....	.30	....	....	....	....	1.30	....	2.83
Hazard [2] ..... K.	....	.30	.18	.06	.13	....	....	....	....	....	....	1.48	.08	....	....	....	....	....	....	....	....	....	.20	.25	....	.30	....	....	....	....	.05	....	3.03
Heidelberg, Lock No. 14 [3] ..... K.	....	.71	.18	.08	.24	....	....	....	....	....	....	1.24	.07	....	....	....	.02	....	....	....	....	....	.29	.42	....	.17	....	....	....	....	T.	....	3.42
Jackson [2] ..... K.	....	1.05	....	....	.40	....	....	....	....	....	....	1.18	.05	.05	....	....	....	....	....	....	....	....	.62	....	.20	....	....	....	....	....	....	....	3.55
Jenkins [2] ..... K.	....	....	.18	.05	.37	....	....	....	....	....	....	1.71	.15	....	....	....	.02	....	....	....	....	....	....	.50	....	.12	....	....	....	....	....	....	3.10
Louisa [2] ..... B.	....	.54	.21	.02	.21	....	....	.02	....	....	....	.76	.08	....	....	....	....	....	....	....	....	....	.33	.31	....	.17	....	....	....	....	....	....	2.65
Lynch [near] ..... C.	....	.50	....	.05	.20	....	....	....	....	....	.31	.30	.10	....	....	....	....	....	....	....	....	.20	T.	T.	....	.15	....	....	....	T.	T.	....	1.81
Maysville, Dam 33 [3] ..... O.	....	.31	....	....	.08	....	....	....	.02	....	....	.55	.18	....	....	....	....	....	....	....	....	....	.28	.07	....	.23	....	....	....	....	T.	....	1.72
Middlesboro ..... C.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mount Sterling ..... L.	.39	....	....	.11	....	....	....	....	....	....	....	1.10	....	....	....	....	....	....	....	....	....	....	.06	....	....	.43	....	....	....	....	....	....	2.09
Oneida [2] ..... K.	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Oneonta Dam 35 [3] ..... O.	....	.11	....	....	.04	....	....	T.	....	....	....	....	.34	.13	....	T.	....	....	....	....	....	....	.33	.91	.01	.21	....	....	T.	....	.01	2.09
Paintsville [2] ..... B.	....	.97	.27	....	.40	....	....	....	....	....	....	.98	.07	....	....	....	.08	....	....	....	....	....	.20	.08	....	.26	....	....	....	....	....	....	3.31
Pikeville [**] ..... B.	....	.80	....	.40	....	....	....	T.	....	....	.55	.81	T.	....	....	....	....	....	....	....	....	....	.41	.67	.19	....	....	T.	....	.03	3.26
Pippapass ..... K.	....	.59	.02	.19	.01	....	....	....	....	....	.08	1.42	.05	....	....	....	....	T.	....	....	....	....	....	....	.60	....	....	....	....	.08	3.04
Quicksand [2] ..... K.	....	1.11	.24	....	.16	....	....	....	....	....	1.23	....	.08	....	....	....	....	....	....	....	....	....	.30	.52	....	....	....	....	....	....	....	....	3.64
Ravenna, Lock No. 12 [2] ..... K.	....	.96	.17	.08	.22	....	....	....	....	....	....	.98	.08	....	....	....	....	T.	....	....	....	....	.12	.18	....	.12	....	....	....	....	....	....	2.86
Richmond [2] ..... K.	....	.95	....	.25	.15	....	....	....	....	....	....	1.20	.10	....	....	....	.03	....	....	....	....	....	.10	.50	....	.25	....	....	....	....	....	....	3.58
Valley View, Lock No. 9 ..... K.	....	.40	.10	....	.18	....	....	....	....	....	....	1.05	.12	....	....	....	.05	....	....	....	....	....	.26	.16	....	.25	....	....	....	....	....	....	2.51
Vanceburg, Dam No. 32 [3] ..... O.	....	.39	T.	....	T.	....	....	....	....	....	....	1.26	.09	....	....	....	....	....	....	....	....	....	.25	.16	....	.27	....	....	....	....	....	....	1.70
Williamsburg [2] ..... O.	....	.14	.16	.09	.53	....	....	....	....	....	....	1.30	.05	....	....	.03	....	....	....	....	....	....	....	.15	....	.43	....	....	....	....	....	....	2.84
Willow, Lock No. 13 [3] ..... K.	....	1.36	.05	.15	.24	....	....	....	....	....	....	1.26	.09	....	....	....	....	....	....	....	....	....	.29	.41	T.	.14	....	....	....	....	T.	....	3.99
Winchester [**] ..... K.	.16	....	....	.28	T.	....	....	T.	....	....	.83	.57	....	....	....	....	T.	.04	....	....	.12	.28	.03	.18	....	....	....	....	....	....	....	2.49

Except as otherwise indicated observations are generally made late in the afternoon, near sunset, and precipitation recorded is for 24 hours ending at time of observation
[1] First-order Weather Bureau station; precipitation is for the 24-hour period, midnight to midnight unless otherwise indicated. [2] Precipitation measured in the morning: amount then recorded is for the preceding 24 hours. [3] Precipitation measured with recording gage. *Included in the next following measurement.
T. Trace, or precipitation less than 0.01 inch. †Post office addresses as follows:—Lock 5, Lawrenceburg, Ky.; Lock 6, Versailles, Ky. Lock 8, Nicholasville, Ky. Lock 10, Red House, Ky.; Oneonta, California, Ky. River drainage area in which station is located is indicated as follows: (B) Big Sandy; (L) Licking; (K) Kentucky; (S) Salt; (G) Green; (C) Cumberland; (T) Tennessee; (O) Ohio; (M) Mississippi.
**Airport station. Data for 24 hours ending at 12:30 a. m., 90th meridian time adjusted to day they occur.

Daily Temperatures for December, 1941.

Stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Western Division.																																	
Beaver Dam	Maximum	67	64	62	50	61	45	47	48	46	46	33	49	43	37	47	46	57	51	60	64	66	61	62	57	49	52	45	34	35	41	55	51.6
	Minimum	38	49	48	51	42	29	18	33	25	24	21	30	31	23	18	26	29	41	45	25	29	48	51	37	39	38	30	29	22	24	34	33.0
Calhoun	Maximum	70	64	51	59	..	61	48	49	47	45	46	47	45	37	48	45	58	62	60	..	67	59	64	56	50	50	45	35	32	40	54	51.8
	Minimum	38	41	46	51	..	32	21	36	26	26	23	28	27	24	21	27	29	43	47	..	29	51	53	38	39	41	33	30	23	26	30	33.6
Earlington	Maximum	69	68	62	62	52	48	52	51	50	46	35	46	44	42	51	45	59	63	63	62	67	57	65	58	50	53	44	34	37	39	56	52.9
	Minimum	40	47	47	45	48	29	18	37	21	25	23	30	34	23	18	24	26	42	47	28	28	52	54	39	41	40	27	31	22	25	36	33.8
Greenville	Maximum	66	65	62	61	56	48	50	50	49	45	34	46	43	40	45	45	59	62	60	66	67	60	64	60	60	58	45	33	35	40	56	52.1
	Minimum	41	47	45	51	46	28	17	34	22	25	21	29	32	20	17	25	26	41	46	28	30	48	51	37	39	39	22	29	21	23	37	33.0
Henderson	Maximum	71	68	62	59	61	41	49	48	50	41	32	44	42	39	48	46	59	68	69	67	66	55	66	56	50	48	42	36	38	38	54	51.3
	Minimum	43	43	40	49	34	29	18	35	24	21	26	29	30	19	19	29	27	41	44	30	34	47	32	37	38	39	32	28	21	21	33	31.8
Hopkinsville	Maximum	62	65	63	59	62	48	50	50	50	47	38	46	45	40	40	49	47	59	65	59	65	66	65	63	59	51	53	40	34	38	41	51.6
	Minimum	44	50	48	50	47	30	19	33	21	25	23	28	34	23	20	32	29	39	46	27	33	41	40	37	39	38	28	29	20	24	29	33.1
Lovelaceville	Maximum	65	65	66	59	58	54	50	53	50	48	45	41	42	50	50	60	61	63	67	68	62	66	61	44	44	44	42	34	38	37	57	53.2
	Minimum	49	39	42	52	50	30	15	37	21	25	24	30	33	23	20	26	25	40	46	27	31	47	46	39	36	38	25	31	21	23	35	33.3
Mayfield	Maximum	63	62	57	59	60	51	50	51	47	45	37	43	43	41	48	49	59	64	63	57	62	57	65	58	46	50	44	35	33	39	55	51.4
	Minimum	52	46	44	53	49	31	24	28	26	28	24	29	33	23	24	32	27	42	48	33	38	50	48	37	34	38	29	30	21	23	35	34.6
Murray	Maximum	66	61	61	61	60	49	48	50	46	47	36	45	43	39	50	48	49	58	59	67	64	67	64	49	50	51	40	35	33	40	54	51.0
	Minimum	36	46	45	52	48	33	23	26	31	25	32	34	25	25	32	32	29	44	50	31	39	51	47	38	35	35	30	33	22	25	37	35.2
Owensboro	Maximum	68	62	62	58	62	53	38	44	46	40	33	45	36	33	46	47	57	59	68	63	66	65	66	52	50	47	39	32	31	37	52	49.9
	Minimum	42	43	42	48	48	30	19	34	25	26	20	30	30	23	19	28	30	37	47	41	34	36	50	36	40	37	30	27	20	24	33	33.0
Paducah	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Princeton	Maximum	65	65	62	60	60	49	50	50	48	44	35	45	43	41	48	46	58	60	60	66	65	60	64	59	58	52	44	38	32	38	56	52.1
	Minimum	48	47	45	53	48	32	24	33	25	28	22	29	33	22	21	28	26	42	48	28	39	50	53	38	40	40	28	30	20	23	34	34.7
Russellville§§	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Central Division.																																	
Anchorage	Maximum	65	64	60	59	59	42	43	46	44	42	32	44	39	38	46	44	53	57	55	57	65	62	64	54	53	50	42	33	30	39	45	49.2
	Minimum	36	46	41	47	42	26	18	36	23	23	19	31	24	21	15	25	30	35	34	26	28	45	49	39	39	40	33	29	19	21	35	31.8
Bowling Green	Maximum	66	63	62	60	62	54	46	58	45	50	45	47	45	39	46	48	56	56	60	60	66	66	67	60	54	54	40	36	35	42	59	53.3
	Minimum	44	53	51	54	51	34	28	33	28	30	24	33	35	28	21	29	31	39	38	35	33	44	52	41	41	39	33	31	24	35	38	36.5
Clermont	Maximum	67	66	65	58	60	51	47	46	47	45	34	46	45	39	49	48	57	58	57	61	67	62	67	58	61	54	45	35	35	41	54	52.1
	Minimum	31	50	48	45	48	26	15	29	20	22	19	32	37	27	12	21	29	32	33	23	24	52	52	40	40	42	31	31	28	17	34	31.8
Danville	Maximum	66	69	68	67	67	62	47	57	50	48	44	45	46	41	49	49	58	63	62	61	68	70	72	67	54	58	48	35	36	42	51	55.5
	Minimum	36	54	49	50	46	32	28	29	27	25	19	29	34	26	26	25	35	34	44	36	28	42	46	39	38	40	29	30	23	19	32	33.9
Dix Dam	Maximum	65	64	64	59	59	58	46	47	44	47	42	44	44	44	46	46	52	58	56	55	65	65	64	60	50	56	51	36	33	43	51	52.0
	Minimum	36	60	51	53	50	36	23	33	27	28	21	30	37	29	19	25	37	36	41	32	29	29	50	41	41	43	33	28	26	21	35	35.0
Eubank	Maximum	67	60	64	60	57	53	47	49	47	52	42	45	47	39	47	47	56	59	58	61	66	60	61	64	60	57	49	35	37	41	47	52.7
	Minimum	33	52	50	52	47	30	18	29	23	24	19	31	35	27	15	21	36	36	27	26	27	42	46	45	43	40	27	24	24	21	36	32.8
Frankfort	Maximum	66	64	55	61	59	56	51	47	46	46	37	46	41	39	45	46	52	58	57	55	65	64	65	60	47	55	45	35	36	42	46	51.6
	Minimum	31	51	43	44	48	32	20	32	25	26	19	30	35	26	16	22	36	30	34	27	25	36	48	40	40	41	34	30	24	19	33	32.2
Glasgow	Maximum	70	64	61	61	61	60	51	47	50	51	46	54	44	38	49	50	59	59	58	62	67	68	66	65	52	55	55	42	35	42	52	54.6
	Minimum	39	55	51	52	48	29	20	36	23	26	28	32	35	28	19	25	27	36	48	27	30	44	52	40	40	42	27	25	25	25	35	34.2
Greensburg	Maximum	61	61	62	62	58	56	48	43	43	51	44	46	44	37	44	60	58	68	60	60	67	63	67	63	52	56	52	37	33	42	57	52.6
	Minimum	35	55	52	53	48	31	19	31	25	22	32	36	29	17	28	35	38	44	29	27	46	52	41	41	41	28	31	25	24	35	34.5
Irvington	Maximum	68	65	62	58	60	43	47	45	44	44	32	46	41	35	47	45	56	57	58	61	66	61	65	51	48	49	43	33	30	40	49	50.0
	Minimum	40	48	42	49	41	25	17	35	23	26	19	28	30	24	16	26	32	39	49	25	32	47	48	36	37	38	30	26	20	21	36	32.2
Leitchfield	Maximum	66	65	63	61	60	54	49	50	48	49	43	48	46	40	50	49	59	60	61	66	68	62	67	56	50	55	55	42	38	41	55	54.0
	Minimum	42	53	49	48	46	30	20	34	25	26	20	29	33	25	18	24	30	40	44	30	37	48	50	38	39	39	30	29	21	25	35	34.1
Lexington	Maximum	63	64	65	60	58	39	44	46	46	47	31	43	43	37	46	42	51	58	56	57	64	64	64	45	48	57	37	32	34	41	47	49.4
	Minimum	41	52	49	51	38	23	20	36	25	22	18	29	30	21	18	27	36	37	38	31	33	44	45	39	39	36	31	27	21	22	36	32.7
Louisville	Maximum	65	62	60	58	59	42	44	46	44	39	35	45	40	36	45	44	54	56	57	57	64	61	63	46	47	49	40	33	32	39	46	48.6
	Minimum	44	47	48	48	42	32	26	34	29	23	21	33	31	26	22	35	36	43	45	36	35	51	46	40	40	40	32	27	23	28	35	35.3
Do. Bowman Field	Maximum	64	63	59	56	59	40	44	46	44	40	32	48	39	37	46	44	54	56	56	55	64	61	64	46	47	49	41	33	30	38	46	48.3
	Minimum	40	46	38	46	40	26	22	33	26	22	20	31	30	21	20	29	32	38	41	30	31	48	45	40	40	40	32	26	24	25	36	32.9
Mammoth Cave	Maximum	67	62	62	57	61	40	48	48	45	49	36	46	43	38	48	49	58	57	60	62	67	62	65	43	51	54	41	33	35	42	54	51.1
	Minimum	37	49	50	49	33	29	14	17	24	25	20	22	34	26	12	18	25	26	46	25	26	33	41	39	38	38	28	27	22	22	25	29.7
St. John	Maximum	66	64	62	60	58	56	45	48	46	45	40	46	45	39	46	46	55	58	58	62	66	61	65	59	49	52	45	34	33	40	53	51.7
	Minimum	36	48	40	48	45	25	13	30	22	22	18	22	32	24	15	19	28	38	41	24	27	45	49	35	37	37	25	27	19	21	32	30.4
Shelbyville	Maximum	64	64	62	58	58	50	43	45	45	43	34	45	43	38	44	44	52	56	55	54	63	62	65	53	46	55	44	34	32	37	45	49.5
	Minimum	39	51	44	49	48	29	18	32	22	26	17	29	34	26	15	25	29	36	37	29	29	44	48	39	38	44	32	29	22	20	38	32.7
Smith's Grove	Maximum	65	62	61	62	61	49	49	48	44	50	34	47	43	40	50	47	58	57	53	62	68	62	65	46	51	54	42	33	34	40	52	51.8
	Minimum	44	55	55	53	49	33	22	35	28	28	22	34	31	22	20	29	31	45	48	29	34	48	46	40	40	40	32	27	23	28	38	35.9
Stearns	Maximum	55	57	63	63	60	44	50	48	48	55	35	44	44	38	50	48	58	62	58	59	68	60	64	44	52	56	48	32	35	44	49	51.6
	Minimum	42	51	50	50	40	24	21	35	26	27	23	32	32	22	18	29	36	41	42	34	32	44	44	39	36	38	27	26	22	21	36	33.5
Taylorsville	Maximum	70	65	68	68	69	48	45	45	48	47	32	34	32	36	36	46	54	58	56	60	65	60	59	52	49	52	44	35	35	39	49	49.9
	Minimum	42	40	43	35	46	30	19	28	27	25	18	20	16	20	24	30	32	37	36	29	30	43	40	38	38	40	32	28	22	22	34	31.1
Williamstown	Maximum	63	65	50	62	60	55	47	45	41	40	35	61	40	35	48	44	46	56	54	52	63	63	63	61	53	59	51	43	39	43	55	49.9
	Minimum	39	53	42	47	49	30	20	33	26	29	16	29	34	25	16	29	36	36	35	30	28	44	42	39	38	39	32	29	23	22	34	33.0
Eastern Division.																																	
Annville	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Ashland	Maximum	54	65	63	63	54	58	43	48	47	48	41	44	47	40	45	50	51	62	58	55	56	67	67	60	61	53	37	38	37	44	52.1
	Minimum	30	50	47	47	49	38	21	29	33	26	19	30	38	29	17	23	37	29	32	30	28	33	28	42	41	44	36	33	27	19	32	32.9
Berea	Maximum	65	62	64	65	61	59	45	43	45	47	42	45	46	37	44	46	52	57	55	53	68	65	69	62	52	56	52	37	33	42	49	52.1
	Minimum	39	51	48	54	48	31	18	28	25	26	12	28	33	25	18	29	33	37	45	36	31	42	47	38	37	34	29	28	22	12	35	32.9
Farmers	Maximum	68	65	63	62	62	58	44	46	45	47	42	44	46	39	46	43	53	60	56	55	66	68	67	61	49	59	58	39	34	40	47	52.6
	Minimum	29	53	47	60	45	36	18	28	22	22	11	30	36	28	18	20	35	28	34	25	25	32	51	41	40	41	37	32	27	17	33	31.8
Heidelberg	Maximum	65	63	65	62	63	57	47	46	51	52	45	42	45	38	48	48	54	60	59	59	64	55	62	56	52	61	43	37	38	45	49	52.7
	Minimum	31	49	48	66	46	37	18	27	28	22	21	33	38	31	13	20	36	27	43	27	29	30	45	46	39	41	27	28	28	19	34	32.5
Lynch [near]	Maximum	68	66	60	61	59	67	61	58	60	58	59	61	63	61	62	68	65	66	57	55	69	61	58	54	54	54	56	53	51	50	48	58.5
	Minimum	35	48	41	43	32	13	15	17	19	16	14	17	20	13	12	13	23	20	33	30	32	34	30	29	23	24	18	13	37	35	26.1
Maysville	Maximum	40	64	68	63	61	57	42	45	43	42	33	43	45	37	44	50	50	57	54	61	58	68	65	62	49	66	49	36	34	40	45	49.8
	Minimum	22	53	45	44	49	35	20	31	30	25	16	31	37	28	16	25	34	30	34	29	27	32	49	41	40	36	32	26	19	33	32.9
Middlesboro	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	.....
Mount Sterling	Maximum	54	63	64	63	64	55	42	45	44	31	43	42	37	42	43	50	55	58	54	64	65	64	68	50	53	47	35	31	38	46	50.0
	Minimum	34	48	50	42	50	34	21	30	26	27	18	29	35	27	13	29	37	34	36	32	30	41	37	39	38	41	34	30	25	21	35	32.8
Pikeville	Maximum	68	57	68	69	70	50	46	50	51	53	38	47	50	38	45	53	54	64	64	66	69	67	68	56	55	64	47	39	34	44	46	54.0
	Minimum	38	48	48	54	60	25	25	29	29	26	22	31	38	24	19	24	30	28	41	29	26	30	54	43	41	40	33	33	30	24	36	32.7
Pippapass	Maximum	67	60	67	62	68	59	46	50	47	55	45	40	50	41	45	50	55	65	67	68	68	67	69	67	66	63	51	48	35	50	47	56.1
	Minimum	30	47	47	51	44	39	19	25	27	28	20	29	37	28	16	22	35	28	31	46	44	42	31	24	31	45	40	32	27	21	32	32.7
Quicksand	Maximum	69	65	68	62	67	49	50	50	50	65	36	44	48	39	50	52	56	63	69	60	67	68	64	56	67	62	58	40	38	46	53	54.7
	Minimum	29	49	49	49	46	27	20	27	29	22	21	31	36	27	15	20	31	26	39	28	24	29	46	40	39	43	28	30	28	22	33	31.7
Richmond	Maximum	68	60	65	63	58	40	48	46	48	38	45	44	38	45	46	50	55	60	60	65	65	68	64	55	56	45	34	36	42	50	50	50.9
	Minimum	43	55	50	55	50	35	24	36	27	30	20	32	38	28	20	32	35	46	45	45	35	35	45	40	40	43	34	32	26	24	34	36.6
Williamsburg	Maximum	65	60	66	64	65	60	48	50	48	54	50	55	49	40	47	48	56	68	60	60	65	60	62	59	55	62	68	44	36	45	48	54.9
	Minimum	34	52	50	52	46	34	19	35	36	24	24	35	38	29	17	28	39	36	48	29	29	39	48	40	39	42	31	25	28	20	27	34.5
Winchester	Maximum	68	62	58	59	57	47	44	46	42	45	32	41	43	38	44	42	50	55	55	64	62	68	62	59	49	55	42	34	32	39	48	49.2
	Minimum	40	53	50	54	45	30	21	32	26	28	18	28	35	25	19	30	36	39	42	32	32	43	48	39	37	41	33	29	23	21	35	34.3

§§ Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs

*, †, ‡ etc. indicate respectively 1, 2, 3 etc. days missing from record.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

J. L. KENDALL.

VOL. XLVI LOUISVILLE, KY., ANNUAL, 1941 No. 13

GENERAL SUMMARY.

The precipitation shortage that began in May, 1940, persisted through the first five months of this year. The total deficiency for the period January-May was 11.44 inches, which is 56 per cent of the normal precipitation. Water supplies in upland regions became very short, and were only temporarily replenished by the rains of June and July. Deficient rain again in August and September aggravated the situation with respect to water supply. In the hilly uplands, where small streams quite generally dried up, hauling of water continued with only brief cessation until the October rains. While moisture in the upper soil was adequate in most sections during the principal part of the growing season, it remained deficient in the subsoil until late fall. Slow recharge began in most sections with the copious rains of October, but some southeastern counties continued relatively dry. Most of the year's precipitation fell in light to moderate amounts that were almost completely absorbed by the thirsty soil. Run-off was unusually light and the streams of the State with a few local exceptions, remained low throughout the year.

The dry winter weather favored plowing, which advanced better than usual, but the prevailing low temperature and frozen ground during February and March discouraged outdoor activities and delayed the early stages of spring work. Making of tobacco plantbeds and other early seeding occurred a week to two weeks later than usual. Temperatures were not low enough at any time during the winter to injure fruit buds, also there were no extended warm spells to cause the buds to expand. The cold March held back fruit so that blossoming occurred later than usual in April, without important damage from the light freezes that followed. Decidedly warm weather in April brought forward vegetation and largely made up for the delay caused by the late winter. Dry weather in May had commenced to injure the developing crops, when the timely rains of early June restored good growing conditions. The rains of June and July, which exceeded the average for these months by 20 per cent, practically made the staple crops. These rains began early in June and, with the exception of one decade, continued until after the middle of July through the period of the maximum growth of corn and tobacco. Since they prevailed during most of the period of greatest heat, they had a marked influence in preserving summer pasturage. Rains in the last half of August and in early September were generally sufficient for the late crops. The soil became too dry for satisfactory seeding late in September, but rains in the first decade of October were sufficient to bring up fall grains and improve pastures. Prevailing warm weather in October and much of November caused pastures to remain available later than usual. Moderate temperature, with sufficient atmospheric moisture to condition tobacco, favored early stripping and marketing of this crop.

The Weather By Months.

January.—Snowfall was negligible and there was considerable freezing and thawing, but winter grains suffered little injury, partly on account of moderate temperature and partly because of well drained top soil. There was no run-off that would damage fallow lands.

February.—Precipitation averaged only about 20 per cent of normal and the resulting dryness of the soil prevented damage to grains by the frequent hard freezes. Very little progress was possible with early farm or garden preparations.

March.—Potatoes planted before the severe freezes of the 17-18th were so seriously damaged that they had to be replanted. Complaints of ground water shortage and limited supplies for livestock came from upland districts toward the end.

April.—The prevailing warmth advanced pastures, grains, and alfalfa more rapidly than usual. Although tobacco plants came up late, they had nearly reached seasonal size by the end of the month. The abnormally warm weather encouraged early planting of cotton.

May.—Pastures on uplands deteriorated extensively toward the end. Corn germinated irregularly and stands of tobacco were affected. Water for livestock and domestic use diminished slowly, and hauling to meet these demands became more general.

June.—Some districts in the western and extreme eastern part of the State received only enough rain to relieve the drought for a short time. The dry period in the last half of the month favored hay harvest. Crop conditions were satisfactory in most districts at the end.

July.—Heavy rains in the first week caused some run-off that flushed small streams and temporarily relieved the water shortage. Except in the extreme western counties moisture remained sufficient for the needs of crops.

August.—Corn on the hills and dry uplands fired badly during the first half. The rains came too late for this corn but improved the crop on more resistant soils. The hot dry weather caused marked irregularity in both corn and tobacco.

September.—The last two decades were almost rainless, and the southern counties received only light rains at any time in the month. Late crops suffered from diminished growth and premature ripening. Tobacco was reduced in size, but ripened more generally and cured very rapidly.

October.—Timely showers aided seeding, but had little effect on the water supply. Only local replenishment occurred, and hauling of water continued in the drier upland districts. High temperatures produced strong late growth of pastures and forage crops.

November.—Slow improvement in fall grains continued during about two-thirds of the month. A damp period early in the month caused some damage to corn in the field, but fair weather later advanced gathering.

December.—Abnormal warmth during periods of considerable length caused grains and pastures to make some growth. The mild and relatively dry weather favored stripping and marketing tobacco.

COMPARATIVE ANNUAL DATA FOR KENTUCKY.

Year.	Temperature.			Precipitation		Number of days.			
	†Mean.	Highest.	Lowest	†Average.	Average snowfall.	Precipitation .01 inch or more.	Clear.	Partly cloudy.	Cloudy.
1889	55.6	101	3	35.97	....	...	...	...	...
1890	57.1	101	4	56.82	....	...	...	...	...
1891	56.3	105	0	49.69	....	...	...	...	...
1892	55.3	101	− 6	44.25	....	...	...	...	...
1893	55.5	101	−22	44.71	....	...	...	...	...
1894	57.1	105	−12	34.81	....	...	...	...	...
1895	55.0	104	−18	38.47	....	..	156	105	104
1896	57.6	106	−12	44.68	....	94	151	111	104
1897	57.2	107	−16	46.72	8.1	111	168	97	100
1898	57.2	103	−12	52.38	12.6	103	153	110	102
1899	56.4	105	−30	46.38	24.6	112	157	103	105
1900	57.7	104	− 9	54.40	12.9	110	163	104	98
1901	55.3	112	−22	35.65	11.7	88	167	94	104
1902	56.5	107	− 3	44.35	14.0	102	162	91	112
1903	55.8	104	−16	41.16	12.9	106	170	87	108
1904	55.3	100	− 9	35.10	9.7	100	162	88	116
1905	55.8	106	−16	47.68	18.1	114	161	78	126
1906	57.0	100	−12	48.84	14.9	113	152	77	135
1907	56.1	102	−11	47.76	14.5	119	155	73	137
1908	57.7	104	2	41.94	9.5	109	169	82	115
1909	56.5	104	−14	51.41	10.0	108	158	82	125
1910	55.3	100	−20	50.67	30.6	111	168	74	123
1911	58.0	106	−16	46.77	6.6	117	155	67	143
1912	54.6	103	−20	47.93	27.0	108	165	74	127
1913	57.9	109	− 2	47.46	5.8	107	163	77	125
1914	56 3	109	−16	41.80	22.7	106	163	80	122
1915	56.2	102	0	51.92	14.4	114	150	93	122
1916	56.2	102	−14	45.49	22.9	106	173	87	106
1917	53.5	100	−21	46.01	42.8	106	155	91	119
1918	56.5	111	−20	40.64	24.9	106	159	87	119
1919	57.9	104	− 1	52.13	3.7	116	170	81	114
1920	55.5	100	− 6	46.90	10.1	104	154	81	131
1921	60.1	106	11	49.42	13.0	113	160	94	111
1922	58.5	103	1	44.43	3.0	119	170	87	108
1923	57.1	99	− 4	53.92	3.9	115	161	81	123
1924	55.0	103	− 9	42.68	6.3	105	169	79	118
1925	57.6	110	− 9	41.11	10.1	104	168	85	112
1926	56.1	107	−11	49.95	13.1	129	149	89	127
1927	57.8	103	− 3	53.45	10.5	123	157	83	120
1928	56.0	101	− 8	45.61	6.2	111	166	89	111
1929	56.2	101	−15	48.46	25.4	121	155	86	124
1930	57.6	114	−20	27.86	9.1	95	175	87	103
1931	59.0	106	− 9	41.98	4.6	114	165	77	123
1932	57.7	103	− 8	44.19	4.0	110	173	86	113
1933	58.4	106	− 9	50.61	6.9	115	154	86	125
1934	57.6	110	−19	37.14	11.8	100	171	90	104
1935	56.8	105	−14	57.40	13.3	123	151	91	123
1936	57 4	113	−25	37 94	20. 4	97	170	93	103
1937	56 3	102	0	49.86	11.1	120	151	85	129
1938	58.8	101	− 4	45.78	6.1	114	161	92	112
1939	57.9	105	− 5	47.35	12.7	107	165	91	109
1940	54.8	102	−20	38.86	17.1	110	148	91	127
1941	57.6	106	0	33.45	3 4	97	151	101	113
Period	56.7	114	−30	45.20	15.6	109	161	88	116

†53 Year average.

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Climatological Data for the Year 1941.

Stations.	Counties.	Elevation, feet.	Temperatnre (degrees Fahrenheit). Length of record, years.	Annual mean.	Highest.	Date.	Lowest.	Date.	Precipitation (inches). Length of record, years.	Total for the year.	Greatest monthly.	Month.	Least monthly.	Month.	Total snowfall, unmelted.	Number of days. With precip. of or in, or more.	Clear.	Pt. Cloudy.	Cloudy.	Prevailing direction of wind.
WESTERN DIVISION																				
Beaver Dam	Ohio	441	35	57.9	102	Aug. 9†	11	Jan. 6	36	31.33	6.22	July	0.40	Feb.	0.2	87	135	92	138	sw.
Calhoun	McLean	437	38	58.9	101	July 7	14	Mar. 18	39	28.36	5.46	Oct.	0.12	Sep.	0.6	83	186	48	131	.....
Earlington	Hopkins	420	52	60.0	106	July 2	12	Mar. 1	52	31.42	7.73	July	T.	Sep.	3.9	95	204	52	109	sw.
Ford's Ferry, Dam 50.	Crittenden	356	.....	.....	.....	.....	.....	.....	18	31.76	6.09	Oct.	0.47	Mar.	4.4	96	.....	.....	.....	.....
Gilbertsville	Marshall	431	.....	.....	.....	.....	.....	.....	3	31.96	5.91	Oct.	0.67	Feb.	T.	89	.....	.....	.....	.....
Greenville	Muhlenburg	519	25	58.0	100	July 1†	10	Jan. 6†	25	32.61	6.58	July	0.61	Feb.	.....	83	199	109	57	s.
Hartford, [near]	Ohio	640	.....	.....	.....	.....	.....	.....	3	29.92	5.08	Oct.	0.38	Feb.	1.7	112	165	91	109	.....
Henderson	Henderson	382	10	58.5	102	June 26†	9	Jan. 6	29	32.25	7.04	July	0.49	Mar.	1.0	89	153	126	66	sw.
Hopkinsville	Christian	524	46	58.7	101	July 1	11	Feb. 9	46	34.64	7.02	July	0.77	Sep.	6.0	84	202	124	39	s.
Lovelaceville	Ballard	445	18	60.7	104	Aug. 10†	14	Jan. 19	18	31.59	6.88	Oct	1.61	Mar.	5.0	72	182	106	77	s.
Mayfield	Graves	364	33	60.7	103	July 2	11	Jan. 6	33	32.04	7.18	Oct.	0.48	Sep.	2.2	87	169	134	62	s.
Murray	Calloway	412	16	.....	101	Aug. 11	14	Jan. 6†	16	.....	6.04	Oct.	1.08	Feb.	2.5	.....	.....	.....	.....	.....
Owensboro	Daviess	420	45	57.8	100	July 2	6	Jan. 27	45	30.00	6.10	Oct.	0.83	Feb.	T.	82	194	59	112	s.
Owensboro, Dam 46	Daviess	404	.....	.....	.....	.....	.....	.....	14	.....	5.80	Oct.	0.62	Feb.	3.4	.....	.....	.....	.....	.....
Paducah	McCracken	341	22	.....	102	Aug. 11	16	Jan. 6	60	31.65	6.99	Oct.	0.70	Mar.	1.7	96	.....	.....	.....	.....
Princeton	Caldwell	529	35	59.9	104	July 1†	9	Feb. 8	37	31.21	5.84	Oct.	0.25	Sep.	3.0	102	157	98	110	s.
Rumsey, Lock 2	McLean	384	.....	.....	.....	.....	.....	.....	25	26.45	5.56	Oct	0.25	Sep.	0.9	93	.....	.....	.....	.....
Russellville	Logan	599	32	.....	105	July 1	9	Jan. 19	30	24.10	4.66	July	0.56	May	2.0	79	.....	.....	.....	.....
Uniontown, Dam 49	Union	357	.....	.....	.....	.....	.....	.....	13	32.08	6.40	Oct.	0.58	Sep.	4.0	90	.....	.....	.....	.....
CENTRAL DIVISION.																				
Addison, Dam 45	Breckinridge	352	.....	.....	.....	.....	.....	.....	14	33.27	6.54	July	0.76	Feb.	1.1	98	.....	.....	.....	.....
Anchorage	Jefferson	700	42	56.0	97	July 30†	10	Jan. 5†	41	33.57	6.48	Oct.	0.70	Feb.	0.5	94	193	75	97	sw.
Bowling Green	Warren	500	58	60.4	102	July 1	11	Jan. 6	59	41.04	7.39	July	0.10	Sep.	2.7	87	179	48	148	w.
Brownsville, Lock 6	Edmonson	410	.....	.....	.....	.....	.....	.....	25	35.18	6.69	July	0.83	Sep.	0.6	101	.....	.....	.....	.....
Burnside	Pulaski	705	.....	.....	.....	.....	.....	.....	51	40.43	7.45	July	0.84	May	1.7	123	.....	.....	.....	.....
Carrollton, Lock 1	Carroll	480	.....	.....	.....	.....	.....	.....	43	33.73	8.23	June	0.51	Feb.	.....	77	.....	.....	.....	.....
Clermont	Bullitt	.....	2	.....	.....	.....	.....	.....	6	.....	6.58	June	0.41	Sep.	.....	.....	188	107	70	sw.
Cold Spring, Dam 36	Campbell	489	.....	.....	.....	.....	.....	.....	15	28.94	6.14	June	0.75	Feb.	3.5	113	.....	.....	.....	.....
Danville	Boyle	955	9	57.3	97	July 1	8	Jan. 6	9	35.29	6.84	June	0.51	Feb.	2.8	107	170	87	108	sw.
Dix Dam, Burgin	Mercer	770	18	58.7	100	July 1	11	Jan. 6†	18	30.98	4.84	June	0.54	Feb.	1.9	95	140	114	111	.....
Eadsville	Wayne	622	.....	.....	.....	.....	.....	.....	6	37.75	8.52	July	0.54	Feb.	1.0	100	.....	.....	.....	.....
Enbank	Pulaski	1177	48	57.3	97	May 22	7	Mar. 1	48	.....	6.40	July	0.19	Sep.	0.7	...	128	105	137	s.
Frankfort, Lock 4	Franklin	504	50	57.2	99	June 27†	8	Jan. 6	51	34.08	5.14	July	0.53	Feb.	0.8	93	146	107	112	w.
Gest, Lock 3	Henry	490	.....	.....	.....	.....	.....	.....	36	34.68	5.86	June	0.65	Feb.	0.5	82	.....	.....	.....	.....
Glasgow	Barren	780	16	59.1	97	May 22	18	Jan. 6†	16	33.62	5.72	July	0.37	Sep.	3.3	116	.....	.....	.....	w.
Grant, Dam 38	Boone	506	.....	.....	.....	.....	.....	.....	17	28.49	6.38	June	0.53	Feb.	1.5	91	.....	.....	.....	.....
Greensburg	Green	581	49	57.0	97	May 21	8	Jan. 6	53	40.34	7.72	July	0.61	Feb.	3.0	117	66	31	268	s.
High Bridge, Lock 7	Jessamine	544	.....	.....	.....	.....	.....	.....	40	30.56	6.11	June	0.47	Feb.	1.8	103	.....	.....	.....	.....
Irvington	Breckinridge	646	44	57.0	100	July 27	9	Mar. 1	44	31.98	5.34	Oct.	0.57	Feb.	1.9	102	138	114	113	s.
LaGrange	Oldham	850	.....	.....	.....	.....	.....	.....	3	34.35	7.57	June	0.61	Feb.	0.7	111	199	70	96	sw.
Lancaster	Garrard	1032	.....	.....	.....	.....	.....	.....	16	35.25	5.73	June	0.40	Feb.	.....	95	.....	.....	.....	.....
Leitchfield	Grayson	635	46	58.6	98	Aug. 9	11	Jan. 8	46	32.12	5.10	Aug.	0.61	May	4.5	100	.....	.....	.....	sw.
Lexington	Fayette	989	58	56.9	99	Aug. 8	9	Jan. 6	59	33.12	7.34	July	0.67	Sep.	4.7	127	.....	.....	.....	.....
Little Hickman, Lock 8	Jessamine	560	.....	.....	.....	.....	.....	.....	31	32.38	6.42	July	0.48	Feb.	2.0	76	.....	.....	.....	.....
Lockport, Lock 2	Henry	485	.....	.....	.....	.....	.....	.....	32	36.24	5.83	June	0.77	Feb.	2.8	90	.....	.....	.....	.....
LOUISVILLE	Jefferson	525	69	58.8	98	Aug. 11	12	Jan. 5	69	30.77	6.82	June	0.45	Feb.	1.1	116	141	114	107	sw.
Do Bowman Field	Jefferson	558	5	57.0	100	July 27	12	Jan. 5	5	33.16	6.80	Oct.	0.53	Feb.	2.6	115	.....	.....	.....	.....
Mammoth Cave	Edmonson	.....	7	56.2	98	July 1	7	Jan. 6	7	38.32	7.67	July	0.49	Sep.	2.2	118	129	98	143	sw.
Monticello	Wayne	910	.....	.....	.....	.....	.....	.....	4	41.24	10.31	July	0.92	Feb.	2.5	83	160	84	121	.....
Munfordville	Hart	600	.....	.....	.....	.....	.....	.....	17	34.49	7.87	July	0.55	Feb.	0.9	98	.....	.....	.....	.....
St. John	Hardin	777	46	55.7	99	Aug. 9	8	Feb. 8†	46	31.17	4.34	Oct.	0.45	Feb.	2.1	123	141	97	127	.....
Salvisa, Lock 6	Mercer	520	.....	.....	.....	.....	.....	.....	28	36.10	7.34	June	0.56	Feb.	1.3	97	.....	.....	.....	.....
Shelbyville	Shelby	825	53	55.7	100	July 27†	7	Feb. 20	53	36.57	6.31	June	0.73	Sep.	2.2	104	.....	.....	.....	sw.
Smith's Grove	Warren	607	5	58.5	100	July 1	13	Jan. 6	5	26.56	7.68	June	0.19	Sep.	2.8	82	65	155	145	s.
Stearns	McCreary	1400	6	57.0	97	Aug. 9†	7	Jan. 6	6	37.67	8.40	July	0.64	May	1.6	108	118	109	143	sw.
Taylorsville	Spencer	489	37	.....	.....	.....	.....	.....	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tyrone, Lock 5	Anderson	524	.....	.....	.....	.....	.....	.....	24	31.61	5.57	June	0.39	Sep.	2.2	102	.....	.....	.....	.....
Williamstown	Grant	943	39	57.1	99	Aug. 11	7	Jan. 5†	39	38.25	10.82	June	0.93	Feb.	3.8	111	224	34	107	w.
Woodbury, Lock 4	Butler	504	.....	.....	.....	.....	.....	.....	25	30.93	4.61	June	0.29	Sep.	1.8	87	.....	.....	.....	.....
EASTERN DIVISION.																				
Annville	Jackson	.....	3	.....	96	July 27†	6	Feb. 20†	20	.....	5.36	June	0.18	May	.....	.....	.....	.....	.....	.....
Ashland	Boyd	584	23	57.1	101	July 1	8	Jan. 6	23	28.26	6.08	July	0.29	Feb.	5.5	103	156	84	115	w.
Berea	Madison	1070	40	57.5	98	July 11	9	Jan. 7†	40	32.81	6.65	July	0.59	Feb.	5.4	95	129	106	130	sw.
College Hill, Lock 11	Madison	611	.....	.....	.....	.....	.....	.....	32	30.23	4.88	July	0.26	Feb.	3.0	94	.....	.....	.....	.....
Cynthiana	Harrison	684	.....	.....	.....	.....	.....	.....	25	32.98	5.95	Oct.	0.50	Feb.	3.6	73	.....	.....	.....	.....
Falmouth	Pendleton	600	.....	.....	.....	.....	.....	.....	53	37.48	9.57	June	0.70	Feb.	1.4	100	.....	.....	.....	.....
Farmers	Rowan	668	35	54.3	97	July 1†	4	Jan. 6	36	33.01	5.55	July	0.46	Feb.	5.7	124	120	126	119	w.
Flemingsburg	Fleming	870	.....	.....	.....	.....	.....	.....	17	35.57	7.45	July	0.61	Feb.	.....	101	.....	.....	.....	.....
Ford, Lock 10	Clark	593	.....	.....	.....	.....	.....	.....	26	28.02	8.62	Oct.	0.50	Feb.	3.5	95	.....	.....	.....	.....
Grayson	Carter	589	.....	.....	.....	.....	.....	.....	12	.....	7.10	July	0.80	May	4.5	.....	.....	.....	.....	.....
Greenup, Dam 30	Greenup	540	.....	.....	.....	.....	.....	.....	22	34.56	6.66	July	0.22	Feb.	5.0	110	.....	.....	.....	.....
Hazard	Perry	869	.....	.....	.....	.....	.....	.....	18	39.77	8.72	June	0.50	May	.....	104	.....	.....	.....	.....
Heidelberg, Lock 14	Lee	663	7	57.1	99	May 22	5	Jan. 6	25	38.40	9.40	July	0.41	Feb.	7.5	111	132	59	174	sw.
Jackson	Breathitt	776	.....	.....	.....	.....	.....	.....	26	34.45	6.10	July	0.64	Feb.	7.0	80	.....	.....	.....	.....
Jenkins	Letcher	1566	.....	.....	.....	.....	.....	.....	17	34.15	6.89	July	0.63	May	5.5	97	.....	.....	.....	.....
Lonisa	Lawrence	584	.....	.....	.....	.....	.....	.....	38	31.45	7.50	July	0.45	Feb.	5.0	100	.....	.....	.....	.....
Lynch, [near]	Harlan	.....	2	.....	95	July 8	0	Jan. 6	2	.....	17.13	July	0.29	May	9.2	...	158	67	140	s.
Maysville Dam 33	Mason	524	46	56.8	97	July 11	7	Jan. 6	46	34.04	7.22	June	0.59	Feb.	4.4	110	105	155	105	sw.
Middlesboro	Bell	1128	46	.....	98	May 22†	9	Jan. 6	51	.....	9.94	July	0.41	May	.....	.....	.....	.....	.....	.....
Mount Sterling	Montgomery	930	52	.....	98	July 27†	8	Jan. 6	52	.....	5.91	Oct.	0.91	Feb.	.....	.....	.....	.....	.....	w.
Oneida	Clay	.....	.....	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneonta, Dam 35	Campbell	497	.....	.....	.....	.....	.....	.....	20	30.38	7.26	June	0.58	Feb.	6.4	100	.....	.....	.....	.....
Paintsville	Johnson	620	.....	.....	.....	.....	.....	.....	8	33.47	9.71	July	0.50	Feb.	9.6	113	.....	.....	.....	.....
Pikeville	Pike	636	6	58.0	100	July 1†	9	Jan. 6	41	33.45	5.90	June	0.73	Feb.	4.0	109	83	154	128	e.
Pippapass	Knott	1085	8	57.6	99	July 1	6	Jan. 6	8	37.91	6.72	July	0.88	Feb.	5.4	113	132	102	131	w.
Quicksand	Breathitt	782	15	.....	99	July 27	6	Jan. 6	15	.....	6.65	July	0.39	Feb.	.....	.....	.....	.....	.....	.....
Ravenna, Lock 12	Estill	631	.....	.....	.....	.....	.....	.....	24	33.48	6.72	July	0.42	Feb.	6.5	94	.....	.....	.....	.....
Richmond	Madison	926	52	58.4	96	May 22†	10	Jan. 6†	51	30.43	4.50	July	0.63	Feb.	.....	107	185	91	89	.....
Valley View, Lock 9	Madison	441	.....	.....	.....	.....	.....	.....	28	27.99	3.75	June	0.65	May	3.0	101	.....	.....	.....	.....
Vancebnrg, Dam 32	Lewis	525	.....	.....	.....	.....	.....	.....	26	34.29	7.51	July	0.48	Feb.	.....	109	.....	.....	.....	.....
Williamsburg	Whitley	939	46	58.4	96	June 8	11	Feb. 23	47	50.74	13.33	July	0.53	Feb.	2.7	89	194	98	73	.....
Willow, Lock 13	Lee	646	.....	.....	.....	.....	.....	.....	25	33.88	7.87	July	0.40	Feb.	7.7	92	.....	.....	.....	.....
Winchester	Clark	964	5	57.1	99	Aug. 8	7	Jan. 6	5	26.92	4.13	Oct	0.57	Sep.	7.2	111	44	244	77	.....

All temperatnre data are taken from self-registering thermometers. †Also on other dates.
Reference letters, a, b, c, appearing in the table indicate number of days missing; for example, b represents 2 days, etc.

Monthly and Annual Precipitation for the Year 1941, with Departures from the Normal.

Stations.	January.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annual.	
	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.	Precipitation.	Departure.
WESTERN DIVISION.																										
Beaver Dam	2.95	−1.32	0.40	−2.78	1.21	−3.03	1.89	−2.23	1.22	−3.01	4.06	+0.89	6.22	+2.24	2.07	−1.24	0.75	−1.93	4.92	+2.12	2.68	−0.60	3.06	−0.65	31.25	−11.68
Calhoun	2.70	−2.26	0.66	−2.66	0.51	−4.06	1.39	−2.84	1.53	−2.45	0.80	−3.06	5.45	+1.95	3.94	+0.10	0.12	−2.96	5.96	+2.37	2.97	−0.67	2.35	−1.98	28.36	−8.47
Earlington	2.91	−2.13	0.78	−2.75	0.59	−3.89	1.78	−2.32	1.28	−2.83	2.44	−1.38	7.78	+4.28	4.58	+1.33	T.	−2.87	4.73	+1.43	2.6	−1.16	2.04	−2.23	31.42	−10.52
Ford's Ferry, Dam 50	2.18	−3.52	0.99	−1.59	0.47	−4.56	2.00	−1.41	1.95	−1.67	2.85	−0.75	4.54	+1.32	5.24	+2.85	0.49	−4.19	6.09	+3.19	3.13	−0.04	1.83	−1.24	31.76	−11.64
Gilbertsville	2.47	.....	0.67	.....	1.19	.....	3.50	.....	1.39	.....	2.84	.....	4.27	.....	4.58	.....	1.05	.....	5.91	.....	2.58	.....	1.76	.....	31.96	.....
Greenville	1.69	−2.88	0.61	−2.60	0.79	−3.66	1.61	−2.75	1.50	−2.75	4.71	+0.55	6.58	+2.83	3.92	+0.46	0.69	−1.88	5.25	+1.53	2.55	−0.59	2.71	−1.23	32.61	−13.33
Hartford	2.86	.....	0.38	.....	0.89	.....	2.37	.....	2.08	.....	1.82	.....	4.93	.....	3.43	.....	1.41	.....	5.08	.....	2.42	.....	2.25	.....	29.52	.....
Henderson	2.26	−1.39	0.53	−2.13	0.49	−4.92	2.47	−1.35	1.66	−2.40	2.19	−1.42	7.04	+3.85	3.89	+0.67	0.40	−3.06	6.56	+3.38	2.09	−1.70	2.88	−1.76	32.25	−12.43
Hopkinsville	2.49	−2.83	1.27	−2.35	1.49	−3.38	2.32	−1.99	1.09	−3.03	4.43	−0.06	7.02	+3.29	3.32	−0.22	0.77	−2.39	5.32	+1.84	2.70	−1.32	2.42	−2.46	34.64	−14.85
Lovelaceville	3.05	−2.87	1.75	−1.97	1.01	−4.68	2.14	−1.65	2.40	−1.10	2.17	−1.91	2.05	−3.33	3.42	−0.16	1.07	−3.14	6.88	+3.36	1.94	−1.42	3.71	−0.40	31.59	−19.27
Mayfield	2.29	−2.87	0.67	−2.71	1.14	−2.89	2.06	−2.20	1.88	−2.17	1.43	−2.87	6.55	+3.01	3.71	0.00	0.48	−2.86	7.18	+3.92	2.47	−1.41	2.28	−2.09	32.04	−14.28
Murray	2.13	−3.40	1.08	−2.22	.....	.....	2.54	−2.17	1.28	−3.22	2.10	−2.66	4.96	+1.57	2.92	−0.47	1.14	−3.14	6.04	+2.58	2.25	−1.15	1.41	−3.28	.....	.....
Owensboro	2.30	−1.97	0.83	−2.02	1.07	−3.20	1.84	−2.12	1.50	−2.43	2.89	−1.02	5.76	+0.78	3.01	−0.43	1.93	−1.91	5.10	+2.66	2.83	−0.99	2.44	−1.30	36.10	−13.41
Owensboro, Dam 46	2.39	−2.93	0.62	−2.00	1.16	−2.61	2.59	−0.89	1.88	−1.99	3.14	−0.98	3.66	+1.35	2.97	−0.13	1.64	−1.89	5.80	+2.87	2.87	+0.06	.....	.....	.....	.....
Paducah	2.50	−2.47	1.38	−1.93	0.70	−3.81	2.19	−2.23	2.74	−1.20	2.84	−1.38	2.28	−1.20	3.92	+0.18	1.09	−2.18	6.99	+3.67	2.29	−1.54	2.78	−1.46	31.65	−15.55
Princeton	2.38	−2.62	0.61	−2.88	1.49	−2.61	2.11	−2.27	1.42	−2.70	1.64	−2.46	5.62	+1.68	5.24	+1.64	0.25	−3.09	5.84	+2.67	2.70	−0.50	1.95	−2.41	31.21	−15.56
Ramsey, Lock No. 2 †	2.60	−2.04	0.64	−2.58	0.43	−4.07	1.37	−2.77	1.42	−2.82	0.74	−2.87	4.56	+1.88	3.05	−0.53	0.23	−2.90	5.56	+2.36	2.85	−0.67	1.94	−1.88	26.45	−18.89
Russellville	1.98	−3.26	0.63	−2.8	1.65	−3.12	1.98	−2.62	0.86	−3.31	0.59	−3.05	4.66	+0.39	1.91	−1.20	0.79	−2.28	3.28	+0.40	4.00	+0.72	2.07	−1.94	24.10	−22.09
Uniontown, Dam 49	2.43	−2.59	0.64	−1.68	0.64	−3.29	2.57	−0.86	1.52	−1.66	3.77	+0.04	3.97	+0.80	3.46	+0.24	0.58	−4.12	6.40	+3.46	3.35	+0.57	2.77	−0.38	32.68	−9.42
CENTRAL DIVISION.																										
Addison, Dam 45	2.41	−3.27	0.75	−1.91	0.80	−3.16	1.89	−1.80	1.52	−2.50	3.92	+0.02	6.54	+3.46	2.15	−0.99	2.35	−0.70	5.70	+2.63	3.02	+0.22	2.32	−1.29	33.27	−9.36
Anchorage	2.66	−1.51	0.70	−2.16	1.36	−2.90	2.65	−1.15	1.40	−2.83	4.68	+1.01	4.11	+0.01	2.19	−1.46	1.19	−1.53	6.48	+3.50	2.31	−0.93	3.84	−0.02	38.57	−9.47
Bowling Green	2.84	−2.88	0.78	−2.83	2.16	−2.94	4.82	+0.48	0.98	−3.21	5.84	+1.78	7.39	+3.41	5.82	+1.69	0.10	−3.29	2.61	−0.60	3.61	−0.08	5.08	+0.36	41.04	−8.66
Brownsville, Lock No 6	2.15	−3.37	0.67	−3.30	1.07	−4.16	4.33	−0.03	1.26	−2.68	3.80	−0.44	6.69	+3.25	4.42	+0.17	0.33	−2.89	3.68	+0.49	3.33	−0.53	3.62	−1.12	35.18	−14.59
Burnside	3.51	−1.30	1.13	−2.67	2.75	−2.45	5.59	+1.39	0.84	−3.66	5.72	+1.53	7.45	+2.94	4.05	−0.17	1.23	−2.39	2.29	−0.89	2.31	−1.15	3.55	−1.20	40.43	−10.02
Carrollton, Lock No. 1	2.67	−1.05	0.51	−2.09	0.92	−2.90	3.63	−0.02	1.48	−2.35	8.23	+4.25	4.03	+0.68	1.12	−2.70	1.06	−2.04	5.14	+2.26	2.08	−0.85	2.86	−0.25	33.78	−7.06
Clermont	1.72	.....	.....	.....	1.91	.....	3.71	.....	1.74	.....	6.38	.....	3.93	.....	1.79	.....	0.41	.....	2.71	.....	2.33	.....	4.72	.....	.....	.....
Cold Spring, Dam 36	2.29	−0.99	0.75	−1.64	1.00	−2.55	1.53	−2.10	1.34	−2.51	6.44	+2.37	2.19	−1.69	2.43	−1.21	1.12	−2.77	3.78	+1.25	2.84	−0.40	3.20	+0.37	28.94	−11.87
Danville	1.97	−1.71	0.51	−2.62	1.59	−2.82	3.73	−0.08	0.67	−3.34	6.84	+2.98	5.75	+2.09	3.91	+0.22	0.68	−2.84	2.88	+0.96	3.01	0.00	2.73	−1.11	35.29	−7.82
Dix Dam, Burgin	2.47	−1.73	0.54	−2.43	1.83	−1.87	3.72	+0.62	0.93	−2.54	4.84	+0.50	3.68	−0.87	2.35	−1.31	0.96	−2.38	4.43	+1.45	2.62	−0.51	2.61	−1.09	30.58	−11.72
Eadsville	3.21	.....	0.54	.....	2.55	.....	5.81	.....	0.86	.....	3.45	.....	8.52	.....	2.79	.....	1.03	.....	3.22	.....	2.80	.....	3.27	.....	37.75	.....
Eubank	2.62	−1.91	0.62	−2.77	1.66	−3.05	5.20	+1.26	0.23	−4.22	1.53	−2.72	6.40	+2.24	2.19	−2.09	0.19	−2.81	.....	.....	3.60	+0.21	2.96	−1.20	.....	.....
Frankfort, Lock 4	3.06	−1.18	0.53	−2.61	1.73	−2.65	2.53	−1.23	1.90	−1.38	5.11	+1.00	5.14	+1.18	5.34	−0.36	0.66	−2.10	4.90	+2.19	2.97	−0.02	2.21	−1.59	34.08	−8.75
Gest, Lock No. 3	2.79	−1.26	0.65	−2.39	1.46	−3.10	2.15	−1.59	1.87	−1.43	5.86	+1.85	3.73	−0.23	4.08	+0.52	1.20	−1.94	5.45	+2.54	2.96	−0.28	2.43	−1.36	34.63	−8.67
Glasgow	2.45	−1.86	0.48	−3.05	1.62	−4.17	4.17	−0.12	1.34	−2.29	4.83	+1.21	5.72	+1.19	4.42	−0.04	0.37	−2.88	2.56	−0.15	3.80	−0.75	2.16	−2.99	33.62	−15.80
Grant, Dam 38	2.14	−0.95	0.53	−1.72	1.30	−1.72	1.79	−1.55	0.95	−2.14	6.38	+2.63	2.76	−0.81	1.40	−1.89	1.31	−2.17	4.52	+2.07	2.63	−0.14	2.78	+0.18	28.49	−8.21
Greensburg	2.53	−2.73	0.66	−2.95	2.00	−2.98	5.41	+1.52	1.01	−3.37	5.15	+1.72	7.72	+3.88	3.67	−0.51	0.69	−2.60	4.91	+1.52	3.90	+0.35	2.60	−1.52	40.34	−9.07
High Bridge, Lock No 7	2.96	−1.64	0.47	−2.61	1.61	−2.69	2.93	−0.54	0.66	−3.00	6.11	+2.07	3.46	−0.59	2.56	−1.22	0.71	−2.19	3.18	+0.28	3.52	+0.34	2.36	−1.67	30.56	−13.41
Irvington	2.51	−1.90	0.57	−2.57	0.94	−3.53	2.80	−1.16	1.80	−1.93	4.66	+0.65	3.83	+0.76	1.95	−1.55	2.14	−0.76	5.38	+2.30	2.70	−0.55	2.70	−1.23	31.93	−11.47
LaGrange	2.53	.....	0.61	.....	1.36	.....	2.97	.....	1.74	.....	7.57	.....	3.79	.....	2.36	.....	1.76	.....	6.08	.....	2.31	.....	3.25	.....	34.33	.....
Lancaster	2.33	−1.98	0.40	−2.56	2.28	−2.57	3.13	+0.01	1.07	−3.28	5.73	+0.52	5.59	+1.20	2.48	−1.86	1.11	−1.82	3.82	+0.50	2.61	−0.65	4.70	+1.54	35.25	−10.65
Leitchfield	2.54	−2.45	1.09	−2.29	1.25	−3.17	3.63	−0.73	0.61	−3.56	2.92	−1.77	2.95	−0.71	5.10	+1.38	0.70	−2.77	4.29	+0.83	2.95	−0.95	4.65	−0.59	32.12	−16.28
Lexington	2.32	−1.86	0.84	−2.78	2.27	−2.05	2.22	−1.28	1.72	−2.09	4.18	+0.13	7.34	+3.69	1.89	−1.56	0.67	−2.40	4.22	+1.63	3.17	−0.17	2.28	−1.49	33.12	−10.23
Little Hickman, Lock 8	2.43	−1.98	0.48	−2.88	1.53	−2.83	3.08	−0.32	0.65	−3.13	4.57	+0.23	6.42	+2.66	3.16	−0.88	0.91	−2.29	3.00	+0.18	3.27	+0.13	2.88	−0.80	32.38	−11.91
Lockport, Lock No. 2	3.14	−0.88	0.77	−2.10	1.69	−2.75	2.60	−1.13	1.92	−1.54	5.83	+1.45	3.32	−0.26	3.60	−0.18	1.55	−1.53	5.76	+2.90	3.18	+0.44	2.88	−0.80	36.24	−6.38
LOUISVILLE	2.32	−1.68	0.45	−3.10	1.20	−3.19	2.77	−1.11	1.25	−2.47	6.82	+3.00	2.36	−1.34	1.91	−1.51	0.64	−2.14	5.80	+3.15	1.84	−1.77	3.41	−0.33	30.77	−12.49
Do. Bowman Field	2.70	.....	0.53	.....	1.55	.....	2.80	.....	1.58	.....	4.53	.....	3.30	.....	2.73	.....	1.41	.....	6.30	.....	2.75	.....	3.16	.....	33.16	.....
Mammoth Cave	2.59	.....	0.79	.....	1.61	.....	4.01	.....	1.56	.....	4.81	.....	7.67	.....	4.84	.....	0.49	.....	3.47	.....	3.48	.....	3.60	.....	38.82	.....
Monticello	2.58	.....	0.92	.....	2.12	.....	4.93	.....	0.40	.....	5.18	.....	10.41	.....	4.19	.....	1.21	.....	2.76	.....	3.37	.....	3.17	.....	41.24	.....
Munfordville	2.50	−2.96	0.85	−3.05	1.22	−2.73	3.35	−0.42	1.10	−2.64	4.65	−0.95	7.87	+5.35	3.77	+1.02	0.67	−2.01	2.81	−0.59	3.40	+0.74	2.60	−0.48	34.49	−8.72
St. John	2.77	−1.90	0.45	−3.17	1.55	−3.09	3.42	−0.82	1.81	−2.76	3.80	−0.46	3.64	+0.31	2.81	−1.12	0.75	−2.30	4.34	+1.07	2.86	−0.69	3.47	−1.05	31.17	−16.07
Salvisa, Lock No. 6	2.49	−2.18	0.56	−2.88	1.87	−2.31	3.56	−0.10	0.77	−2.74	7.31	+2.92	3.51	−0.29	2.18	−1.36	2.68	−0.38	3.97	+1.19	3.79	+0.49	3.38	−0.08	36.10	−8.36
Shelbyville	3.36	−1.19	0.75	−2.65	2.08	−2.67	2.61	−1.30	1.58	−2.22	6.31	+2.30	1.96	−1.87	4.87	+1.18	0.73	−2.11	6.17	+3.25	3.02	−0.23	3.16	−1.02	36.57	−8.56
Smith's Grove	2.13	.....	0.88	.....	1.71	.....	2.37	.....	0.54	.....	7.68	.....	3.76	.....	3.17	.....	0.19	.....	1.84	.....	2.48	.....	2.82	.....	29.56	.....
Stearns	2.06	.....	0.72	.....	2.63	.....	4.29	.....	0.64	.....	5.67	.....	8.40	.....	2.69	.....	1.86	.....	2.55	.....	2.50	.....	3.66	.....	37.67	.....
Taylorsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.88	+1.83	2.62	−0.74	.....	.....	.....	.....
TYRONE, Lock No. 5	3.10	−1.34	0.46	−2.61	1.41	−2.21	3.41	−0.58	1.48	−2.02	5.57	+1.00	2.87	−1.31	2.91	−1.05	0.39	−2.80	3.98	+1.00	3.75	+0.76	2.25	−1.84	31.61	−13.08
Williamstown	2.86	−1.00	0.93	−1.78	1.69	−2.35	2.59	−0.85	2.24	−1.40	10.42	+7.19	3.42	−0.14	2.07	−1.66	1.33	−1.30	6.01	+3.02	2.26	−0.66	2.03	−1.51	38.25	−2.44
Woodbury, Lock No. 4 †	2.08	−3.08	0.57	−2.94	1.09	−3.55	2.95	−1.17	0.79	−2.84	4.61	+0.21	6.70	+3.23	1.66	−2.17	0.29	−2.41	3.81	+0.78	2.97	−0.47	3.41	−0.81	30.98	−15.22
EASTERN DIVISION.																										
Annville	3.44	.....	0.58	.....	2.42	.....	2.95	.....	0.18	.....	5.36	.....	3.01	.....	.....	.....	.....	.....	0.55	.....	2.37	.....	.....	.....	.....	.....
Ashland	2.71	−1.35	0.29	−2.79	1.87	−2.59	2.07	−1.53	1.28	−2.78	3.22	−1.00	6.08	+1.89	2.78	−0.99	1.00	−1.44	2.50	−0.25	2.66	−0.24	1.83	−1.80	28.26	−14.78
Berea	2.89	−1.96	0.59	−2.60	1.68	−3.31	2.78	−0.87	0.88	−3.16	4.81	+0.63	6.65	+1.81	1.89	−2.32	2.40	−0.54	2.40	−0.68	2.77	−0.57	3.04	−1.22	32.81	−15.08
College Hill, Lock No.11	2.71	−1.77	0.22	−2.87	1.69	−2.90	1.81	−1.41	0.68	−3.26	4.79	+0.68	4.83	+0.77	3.45	−0.65	1.36	−1.46	2.84	−0.21	2.79	−0.11	3.02	−0.96	30.23	−13.95
Cynthiana	3.00	−1.18	0.50	−2.56	1.34	−2.86	1.52	−2.14	0.71	−2.70	5.24	+1.84	4.65	+1.23	1.85	−2.05	2.19	−1.19	5.95	+3.38	3.27	+0.24	2.80	−1.05	32.98	−9.04
Falmouth	2.89	−1.12	0.70	−2.29	1.81	−2.28	2.67	−1.01	2.19	−1.34	9.57	+5.49	3.61	−0.01	2.69	−1.29	1.74	−0.88	5.20	+2.59	2.71	−0.24	1.67	−1.95	37.48	−4.33
Farmers	2.78	−1.56	0.46	−2.64	1.33	−3.14	1.69	−2.01	1.67	−2.25	3.65	−0.65	5.55	+1.17	2.34	−2.10	2.40	−0.32	5.41	+2.50	3.18	+0.14	2.60	−1.26	33.01	−12.12
Flemingsburg	3.13	−1.30	0.61	−2.48	1.27	−3.02	1.47	−2.42	1.48	−2.22	5.40	+0.56	7.45	+3.76	3.38	−1.48	0.85	−2.50	5.07	+1.76	3.39	+0.06	2.14	−1.26	35.57	−10.22
Ford, Lock No. 10	2.62	−1.65	0.50	−2.47	1.49	−2.67	2.31	−0.94	0.85	−2.64	3.31	−0.70	3.22	−1.58	3.20	−1.11	0.43	−2.59	3.62	+1.03	3.62	+0.76	2.84	−0.88	28.02	−15.47
Grayson	2.50	.....	.....	.....	1.18	−1.50	1.38	−1.64	0.80	−2.75	4.62	+1.28	7.10	+2.89	2.71	−0.86	1.33	−0.88	2.28	−0.72	2.95	+0.32	2.34	−0.41	.....	.....
Greenup, Dam 30	3.01	−0.49	0.22	−3.61	1.18	−2.50	1.65	−1.84	2.26	−1.05	3.62	−0.12	6.66	+2.31	4.03	−0.54	1.56	−0.92	4.50	+2.34	3.01	−0.01	2.83	−0.46	34.56	−4.81
Hazard	2.20	−1.02	0.83	−2.63	2.91	−1.29	3.38	+0.09	0.50	−4.61	8.72	+5.30	6.93	+1.89	3.51	−0.50	2.90	−0.30	2.80	−0.24	2.06	−0.99	3.03	−1.69	39.77	−5.99
Heidelberg, Lock No 14	2.71	−1.55	0.41	−2.65	2.28	−2.47	3.29	−0.03	0.58	−3.40	5.80	+1.62	9.40	+4.62	3.77	−0.15	1.28	−1.86	2.93	−0.19	2.56	−0.38	3.42	−0.24	38.40	−6.73
Jackson	2.14	.....	0.64	.....	2.51	.....	2.68	.....	0.53	.....	4.54	.....	6.10	.....	4.04	.....	2.51	.....	3.13	.....	2.08	.....	3.55	.....	34.45	.....
Jenkins	1.19	−2.24	0.95	−2.87	3.34	−1.41	2.95	−0.89	0.63	−4.14	3.85	−0.16	6.89	+2.50	3.24	−0.60	2.89	−0.55	2.95	−0.56	1.67	−2.05	3.10	−0.58	34.15	−11.91
Lonisa	2.61	−1.21	0.45	−2.31	1.76	−2.47	2.08	−1.26	1.28	−2.58	2.9	−1.84	7.50	+3.95	2.29	−1.87	2.80	+0.21	2.49	−0.38	2.64	−0.06	2.65	−0.99	31.45	−10.83
Lynch, near	2.02	.....	.....	.....	2.21	.....	2.35	.....	0.29	.....	3.99	.....	17.18	.....	3.73	.....	2.50	.....	3.01	.....	2.25	.....	1.81	.....	.....	.....
Maysville, Dam 33	2.78	−1.32	0.55	−2.61	1.18	−3.11	1.75	−1.82	1.84	−1.87	7.21	+3.17	4.81	+0.49	2.85	−1.68	1.88	−1.01	4.55	+1.89	2.92	−0.12	1.72	−2.01	34.04	−9.27
Middlesboro	1.93	−2.69	1.08	−2.94	3.04	−2.20	4.39	−0.09	0.41	−3.61	3.43	−1.19	9.94	+5.04	2.53	−2.03	1.31	−1.88	2.33	−0.65	2.73	−0.79	.....	.....	.....	.....
Mount Sterling	2.56	−2.31	0.91	−2.70	.....	.....	2.05	−2.01	1.29	−2.97	3.78	−0.87	3.92	−0.91	1.93	−2.24	0.99	−2.19	5.91	+2.75	2.93	−0.60	2.09	−2.33	.....	.....
Oneida	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Oneonta, Dam No. 35	2.22	−1.26	0.58	−2.05	1.15	−2.66	1.46	−2.48	1.62	−1.83	7.26	+2.96	4.68	−0.22	2.43	−2.01	1.61	−1.68	2.90	+0.48	3.03	+0.12	2.09	−1.32	30.38	−11.96
Paintsville	1.88	.....	0.90	.....	3.07	.....	3.15	.....	0.70	.....	2.92	.....	9.71	.....	1.76	.....	1.85	.....	2.26	.....	2.46	.....	2.31	.....	33.47	.....
Pikeville	1.49	−2.29	0.73	−2.41	3.45	−0.87	2.71	−0.87	0.44	−3.10	5.90	+1.80	5.75	+1.53	2.44	−1.88	2.38	−0.58	3.39	+0.53	1.51	−1.45	3.26	−0.26	33.45	−9.85
Pippapass	1.75	.....	0.88	.....	2.93	.....	3.23	.....	1.31	.....	6.17	.....	6.72	.....	3.10	.....	2.35	.....	3.43	.....	1.99	.....	3.04	.....	37.91	.....
Quicksand	2.31	−1.60	0.39	−3.31	2.76	−3.11	3.06	−1.17	.....	.....	1.61	+0.64	6.65	+1.22	3.74	−0.77	2.04	−1.81	2.78	−0.69	1.94	−1.93	8.64	−0.41	.....	.....
Ravenna, Lock No. 12	2.46	−1.12	0.42	−2.65	2.43	−1.53	3.72	+0.61	0.56	−3.36	3.87	−0.64	6.72	+2.18	4.43	−0.21	1.28	−2.28	2.39	−0.50	2.82	−0.40	2.86	−0.55	33.46	−10.48
Richmond	2.84	−1.67	0.63	−2.55	1.61	−2.78	2.71	−0.88	0.49	−3.35	4.05	−0.08	4.50	+0.48	3.24	−0.62	0.64	−2.31	3.42	+0.45	2.67	−0.62	3.53	−0.69	30.43	−14.47
Valley View, Lock No 9	2.59	−2.03	0.67	−2.70	1.54	−3.14	3.14	−0.14	0.65	−3.36	3.75	−0.95	3.53	−0.51	2.49	−1.51	1.08	−2.34	2.39	−0.61	3.70	+0.24	2.51	−1.40	27.99	−18.49
Vancebrng, Dam No. 32	3.43	−0.69	0.48	−2.96	1.21	−3.43	2.09	−1.65	1.58	−2.25	4.67	+0.70	7.51	+2.79	2.24	−1.24	1.64	−1.00	4.26	+1.26	8.44	+0.56	1.70	−2.10	34.25	−10.00
Williamsburg	1.62	−2.80	0.53	−2.98	5.57	−1.08	8.41	+4.16	1.20	−2.89	8.17	+3.59	13.33	+8.59	3.92	−0.66	2.12	−1.40	2.36	−0.48	2.63	−0.72	2.88	−1.21	50.74	+12.12
Willow, Lock No. 13	3.07	−0.65	0.47	−2.48	2.37	−1.98	3.93	+1.16	0.58	−3.22	3.42	−0.93	7.87	+3.05	2.25	−1.51	0.95	−2.11	2.52	−0.50	2.58	−0.80	3.96	−0.01	33.88	−10.01
Winchester	2.48	.....	.....	.....	1.41	.....	1.98	.....	0.43	.....	3.54	.....	3.71	.....	2.57	.....	0.57	.....	4.13	.....	3.02	.....	2.49	.....	26.92	.....

The departures from normal precipitation are computed only for such stations as have ten or more years of record, but all complete reports are used in determining section or division means. T. Precipitation is less than 0.01 inch rain or melted snow.

†Rumsey Brownsville and Woodbury are Locks on the Green River; other Locks are on the Kentucky River.

Monthly and Annual Mean Temperatures for the Year 1941, with Departures from the Normal.

Stations.	Jannary.		February.		March.		April.		May.		June.		July.		August.		September.		October.		November.		December.		Annnal.	
	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure.	Temperature.	Departure
WESTERN DIVISION.																										
Beaver Dam	36.3	+ 0.7	33.4	− 2.8	41.7	− 5.9	60.8	+ 4.4	68.0	+ 1.7	74.6	+ 0.4	77.8	0.0	77.8	+ 1.4	73.0	+ 2.1	64.4	+ 5.7	45.5	− 1.4	42.3	+ 5.2	57.9	+ 0.9
Calhoun	a37.0	− 0.1	a33.8	− 5.3	a41.4	− 7.0	a59.4	+ 1.0	a69.8	+ 3.2	76.4	+ 1.3	b79.6	+ 1.2	a79.2	+ 2.0	75.2	+ 3.3	65.4	+ 5.8	a46.7	− 1.6	a42.7	+ 3.7	58.9	+ 0.6
Earlington	34.7	+ 2.5	34.6	− 3.2	43.4	− 4.0	62.3	+ 4.5	70.8	+ 3.8	77.2	+ 1.4	80.8	+ 1.9	79.8	+ 2.6	74.9	+ 2.7	66.2	+ 6.6	48.0	0.0	43.4	+ 4.5	60.0	+ 2.0
Greenville	36.9	− 0.1	33.4	− 6.6	41.3	− 6.0	59.9	+ 2.6	67.2	+ 2.0	74.7	+0.2	78.4	+ 0.4	77.5	+ 1.4	a52.8	+ 1.7	64.4	+ 5.1	a46.4	− 1.4	42.6	+ 3.4	58.0	+ 0.8
Henderson	38.8	.....	33.2	.....	41.6	.....	60.8	.....	69.0	.....	76.0	.....	79.6	.....	78.2	.....	74.0	.....	64.4	.....	a47.0	.....	41.6	.....	58.6	.....
Hopkinsville	38.0	+ 0.1	34.4	− 4.8	41.8	− 7.0	61.8	+ 4.2	68.9	+ 1.7	74.6	− 0.8	78.7	− 0.4	78.2	+ 0.3	74.0	+ 1.8	65.5	+ 4.7	46.1	− 2.4	42.4	+ 3.4	58.7	+ 0.1
Lovelaceville	40.1	.....	36.8	− 3.5	44.6	− 4.3	62.0	+ 4.1	a70.0	+ 3.0	78.4	+ 2.9	82.8	+ 3.0	81.4	.....	75.9	+ 4.9	66.3	+ 6.3	47.2	− 0.3	43.2	+ 4.0	60.7	+ 3.0
Mayfield	a40.2	+ 2.9	a36.4	− 3.6	44.6	− 5.1	a63.4	+ 5.1	70.8	+ 4.3	77.6	+ 2.6	80.8	+ 1.9	80.7	+ 3.2	75 6	+ 3.4	a66.9	+ 6 4	48.2	− 0.9	43.0	+ 2.6	60.7	+ 1.9
Murray	37.8	− 0.4	36.0	− 4.6	.....	.....	a60.0	+ 2.5	70.2	+ 3.1	77.2	.....	80.2	+ 0.8	80.0	+ 2 4	75.2	+ 3.5	66.2	+ 6.2	47 8	− 0.8	43.1	+ 3.9	.....	.....
Owensboro	36.4	+ 1.2	31.8	− 4.7	39.8	− 6.7	59.9	+ 4.2	67.7	+ 2.3	74.6	+ 0.5	78.0	+ 0.2	78.2	+ 2.3	72.3	+ 1.9	62.8	+ 4.1	44.7	− 2.3	41.4	+ 4.2	57.3	+ 0.6
Paducah	39.1	+ 1.7	36.4	− 5.2	44.2	− 5.6	62.5	+ 3.3	70.7	+ 1.0	76.8	− 1.1	81.4	+ 0.1	81.2	+ 0.6	75.5	+ 1.1	66.7	+ 5.4	48.0	− 1.1	.....	.....	.....	.....
Princeton	38.5	+ 2.3	35.0	− 2.8	43.8	− 3.9	62.9	+ 4.7	70.0	+ 3.2	77.2	+ 1.9	a80.3	+ 1.7	79.5	+ 2.2	74.7	+ 2.9	65.8	+ 6.6	47.5	+ 0.2	43.4	+ 4.7	59.9	+ 2.0
Russellville	36.4	+ 0.8	32.2	− 6.1	39.8	− 7.3	60.0	+ 2.6	a68.6	+ 2 9	76.5	+ 1.9	79.0	+ 0.8	77.8	+ 0.8	a75.0	+ 3.1	64.8	+ 5.4	a43.8	− 3.2	.....	.....	.....	.....
CENTRAL DIVISION.																										
Anchorage	34.8	+ 1.3	a31.2	− 3.3	38.9	− 5.5	58.0	+ 4.2	65.4	+ 2.0	72.7	+ 0.6	76.2	− 0.1	75 0	+ 0.5	71.5	+ 2.5	62.8	+ 6.1	44.8	0.0	40.6	+ 5.6	56.0	+ 1.2
Bowling Green	38.0	+ 0.5	36.4	− 2.6	44 4	− 4.0	63.2	− 4.7	71.3	+ 3.8	77.9	− 1.9	80.6	+ 1.3	78.8	+ 0.6	75.5	+ 3.1	67.0	+ 7.1	47.0	− 0.9	44.9	+ 5.9	60.4	+ 1.8
Clermont	a35.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	a44.2	.....	42.0	.....	.....	.....
Danville	36.7	.....	32.8	.....	40.3	.....	58.6	.....	66.6	.....	73.4	.....	76.6	.....	75.2	.....	72.2	.....	63.6	.....	47.0	.....	44.7	.....	57 3	.....
Dix Dam	37.5	− 0.1	34.2	− 6.1	41.8	.....	60.4	+ 3.6	68.6	+ 3.7	76.2	+ 1.8	79.2	+ 1.4	78.1	+ 1.8	74.2	+ 2.3	65.4	+ 6.6	46.7	− 0.9	43.5	+ 3 5	58.7	+ 1.4
Eubank	37.5	+ 1.5	33.2	− 5.0	40.5	− 5.2	59.9	+ 5.3	67.0	+ 3.0	74.2	+ 2.7	77.0	+ 1.9	76.4	+ 1.5	72.3	+ 3.3	62.8	+ 5.8	45.6	0.0	42.5	+ 5.5	57.3	+ 1.7
Frankfort	36.6	+ 0.3	33.4	− 3.4	40.2	− 5.9	58.8	+ 3.1	66.6	+ 1.4	74.4	+ 0.7	77.9	+ 0.7	76.4	+ 1.2	72.1	+ 2.6	63.2	+ 5.8	45.2	− 1.4	41.9	+ 5.0	57.2	+ 0.9
Glasgow	b40.0	− 0.1	35.4	− 6.2	42.6	− 4.6	60.9	+ 3.2	68.6	+ 2.8	74.8	+ 0.7	a77.4	− 1.3	a77.2	+ 0.2	74.4	+ 1.5	66.7	+ 8.1	a46.3	− 2.2	44.4	+ 0.2	59.1	+ 0.4
Greensburg	36.9	+ 1.4	33.4	− 2.9	a40.7	− 5.4	58.6	+ 3.1	65.8	+ 1.3	72.9	− 0.3	77.0	+ 0.4	75.0	− 0.3	72.0	+ 2.2	62.9	+ 5.8	45.1	− 0.6	43.6	+ 6.3	57.0	+ 0.9
Irvington	34.8	− 1.4	31.9	− 4.8	40.0	− 6 8	59.5	+ 3.3	67.5	+ 1.5	74.4	+ 0.4	78.0	+ 0 4	77.0	+ 1.1	72.4	+ 1.8	62.7	+ 5.5	45.1	− 1.9	41 1	+ 3.8	57.0	+ 0.2
Leitchfield	a38.8	+ 3.1	34.3	− 2.1	42.3	− 3.8	60.5	+ 4.6	68.4	+ 3.1	74.8	+ 1.5	78.1	+ 1.0	77.0	+ 1.4	73.3	+ 3.1	64 7	+ 6.2	47.3	+ 0.5	44 0	+ 6.8	58.6	+ 2.1
Lexington	34.5	+ 1.6	31.3	− 4 1	38.5	− 5.2	59.0	+ 4.7	67.1	+ 2.8	74.6	+ 2.4	78.0	+ 2.1	76.9	+ 2.4	73.6	+ 5.1	63.6	+ 5.6	45.7	+ 0.5	41 0	+ 5.2	56.9	+ 1.9
Louisville	36.1	+ 1.7	32.8	− 4.4	40.4	− 5.0	61.0	+ 4.6	68 6	+ 2.0	75.6	+ 0.9	79.0	+ 0 4	78.3	+ 1.8	74.7	+ 3.7	63.9	+ 4 6	47.6	+ 0.9	42.0	+ 4.4	58.8	+ 1.3
Bowman Field	34.7	.....	31.6	.....	39.4	.....	59.2	.....	67 2	.....	74.7	.....	78.6	.....	77.3	.....	72.4	.....	61.9	.....	46.2	.....	40.6	.....	57.0	.....
Mammoth Cave	35.0	.....	30.9	.....	39.0	.....	59.4	.....	66 2	.....	73 2	.....	76.0	.....	74.8	.....	71.6	.....	63.3	.....	44.4	.....	40.4	.....	56.2	.....
St. John	36.0	+ 1.7	32.4	− 3.0	40.8	− 4.2	59.3	+ 4.6	66.4	+ 2.8	73.4	+ 0.9	76.6	+ 0.2	76.2	+ 1.3	72.0	+ 2.6	62.6	+ 4 9	43.8	− 2.0	41.0	+ 5.2	56.7	+ 1.2
Shelbyville	34.1	+ 0.2	30.6	− 3.5	38.5	− 6.1	57.0	+ 2.4	65.4	+ 1.0	72.4	− 0.9	76.6	− 0.2	75.2	0 0	71.2	+ 1.6	62.4	+ 5.2	44.4	− 0.4	41 1	+ 5.4	55.7	+ 0.4
Smiths Grove	36.8	.....	33.2	.....	41 3	.....	61.6	.....	68.4	.....	75.8	.....	a78.3	.....	a78.0	.....	a73.9	.....	65.3	.....	46.0	.....	43.6	.....	58.5	.....
Stearus	36.5	.....	32.4	.....	40.0	.....	59.8	.....	67.2	.....	72.6	.....	76.0	.....	75.6	.....	71.5	.....	63.8	.....	46.0	.....	42.6	.....	67.0	.....
Taylorsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	64.8	+ 8.5	46.2	+ 1.1	40.5	+ 4.1	.....	.....
Williamstown	34.5	+ 1.3	31.8	− 2.0	38.6	− 5.1	60.0	+ 6.5	67.9	+ 4 2	74.0	+ 1.8	77.9	+ 1.7	76.8	+ 2.5	72.8	+ 3.6	62.9	+ 7.0	46.6	+ 1.4	41.4	+ 6.6	57.1	+ 2.5
EASTERN DIVISION.																										
Annville	35.2	...	31.2	.....	a38.7	.....	57.7	.....	64.2	.....	71.7	.....	a76.2	.....	.....	.....	.....	.....	62.4	.....	.....	.....	.....	.....	.....	.....
Ashland	36.4	− 0.1	33.6	− 4.1	39.4	− 6.2	58 6	+ 3.0	66.8	+ 2.5	74.4	+ 1.1	77.5	+ 1.0	75.2	+ 0.4	71.4	+ 0.9	63.8	+ 6.0	45.9	− 1.2	42.5	+ 3.8	57.1	+ 0.6
Berea	36.4	− 0.8	a33.4	− 5.4	a40.8	− 5.8	59.6	+ 3.8	66.6	+ 1.7	74.3	+ 1.4	77.4	+ 1.1	75.2	+ 0.7	73.4	+ 3.6	64.2	+ 5.6	46.1	− 1.4	42.6	+ 4.5	57.5	+ 0.7
Farmers	33.6	− 2.0	30.6	− 6.3	37.2	− 7.8	56.9	+ 2.4	64.6	+ 1.4	70.7	− 0.6	75.8	+ 0.7	74 0	+ 0.7	70.4	+ 2.1	b60.2	+ 3.7	45.9	+ 0.4	42.2	+ 5.3	54.8	− 0.9
Heidelberg	37.0	.....	33.2	.....	40 0	.....	59.6	.....	66.1	.....	74.0	.....	78.1	.....	74.4	.....	71.5	.....	63.3	.....	45.5	.....	42.6	.....	57.1	.....
Lynch near	b33.4	.....	b24.7	.....	b32.1	.....	52.6	.....	b61.2	.....	.....	.....	b67.7	.....	66.8	.....	b64.8	.....	57.4	.....	46.2	.....	41.8	.....	.....	.....
Maysville	34.9	+ 1.2	32.3	− 2.8	38.0	− 6.3	58.6	+ 4.3	66.0	+ 1.5	73.0	+ 0.1	77.2	+ 0.4	75.1	− 0.1	70.5	+ 0.8	62.6	+ 5.2	45.7	+ 0.5	41 4	+ 6 1	56.8	+ 0.9
Middlesboro	39.9	+ 0.5	35.2	− 4.6	43.3	− 4.6	63.6	+ 6.9	68.7	+ 4.0	76.5	+ 4.1	79.0	+ 3.7	77.2	+ 3.0	a71.2	+ 1.6	a64.9	+ 7.6	46.0	− 0.3	.....	.....	.....	.....
Mt. Sterling	35.2	+ 1.2	31.0	− 3.3	.....	.....	59.7	+ 5.8	68.0	+ 4.3	74.5	+ 2.0	78.6	+ 2.6	77.1	+ 3.1	73.4	+ 5.2	63.6	+ 7 8	45.4	+ 1.2	41.4	+ 5 8	.....	.....
Pikeville	37.2	.....	33.4	.....	40.4	.....	60.9	.....	67.5	.....	74.6	.....	79.0	.....	76.8	.....	72.6	.....	63.2	.....	46.2	.....	43.8	.....	58.0	.....
Pippapass	37.4	.....	34.6	.....	40.0	.....	60.8	.....	68.9	.....	74.2	.....	77.6	.....	75.6	.....	71.0	.....	63.6	.....	46.5	.....	44.4	.....	57.6	.....
Quicksand	.....	.....	.....	.....	39.4	− 5.8	59.6	+ 2.8	.....	.....	73.8	+ 1.7	a78.1	+ 1.5	76.0	+ 1.4	72.6	+ 1.6	63.6	+ 6.0	46.7	− 0.8	43.2	+ 3 6	.....	.....
Richmond	38.0	+ 2.7	32.7	− 4.1	40.4	− 5.2	59.3	+ 3.2	68 0	+ 2.5	74.6	+ 1.1	77.7	+ 0.8	77.1	+ 1.6	74.8	+ 3.7	66.2	+ 7.2	47.6	+ 0.4	43.8	+ 5.6	57.4	+ 1.7
Willimsburg	39.2	+ 0.4	34.4	− 5.0	42.6	− 4.4	61.2	+ 4.6	68.4	+ 0.5	74.6	+ 0.7	77.4	+ 0.2	76.7	+ 0.6	72.2	+ 1.4	65.4	+ 5.9	46.6	− 1.0	44.6	+ 3.9	58.4	+ 0.6
Winchester	35 4	.....	31.8	.....	88.8	.....	59.0	.....	67.4	.....	74.4	.....	77.2	.....	76 8	.....	73.4	.....	63 5	.....	45.4	...	41.8	.....	57.1	.....

All temperature data are taken from self-registering thermometers.

The departures from normal temperatnre are computed only for such stations as have ten or more years of record, but all complete reports are nsed in determining section or division means.

Reference letters, a, b, c, appearing in the table indicate number of days missing: for example, b represents two days, etc.

KILLING FROSTS, 1941.

STATIONS	Last in Spring.	First in Autumn.	STATIONS.	Last in Spring.	First in Autumn
WESTERN DIVISION					
Earlington	Mar. 30	Oct. 29	Leitchfield	Mar. 30	Oct. 29
Greenville	do 30	do 25	Lexington	do 30	do 29
Hopkinsville	do 30	do 29	Louisville	do 30	do 29
Lovelaceville	do 30	do 29	Mammoth Cave	do 30	do 25
Mayfield	do 29	do 29	St. John	do 30	do 25
Owensboro	do 30	Nov. 8	Shelbyville	do 30	do 25
Princeton	do 29	Oct. 29	Williamstown	do 30	do 29
Russellville	do 30	do 29			
CENTRAL DIVISON			EASTERN DIVISON		
Anchorage	Mar 30	Oct. 29	Ashland	Mar. 30	Nov. 9
Bowling Green	do 30	do 29	Berea	do 30	Oct. 25
Danville	do 30	do 25	Farmers	April 26	do 29
Dix Dam	do 30	do 25	Maysville	Mar. 30	do 29
Eubank	do 30	no 25	Middlesboro	do 30	do 25
Frankfort	do 30	do 29	Mount Sterling	do 30	do 29
Greensburg	do 30	do 25	Richmond	do 30	do 29
Irvington	do 30	do 25	Williamsburg	do 31	Nov. 11

MONTHLY SUMMARIES, 1941.

MONTH.	Temperature.				Precipitation.		Average number of days.				Average Snowfall.
	State average.	*Departure.	Highest.	Lowest.	State average.	*Departure.	With .01 or more rain.	Clear.	Partly cloudy.	Cloudy.	
January	36.7	+ 0.9	66	0	2.53	− 1.82	9	8	6	17	0.2
February	33.1	− 3.9	68	3	0.66	− 2.75	6	11	7	10	2.4
March	40.5	− 5.8	74	2	1.65	− 2.96	8	13	7	11	1.1
April	60.0	+ 3.9	93	27	2.89	− 1.10	9	12	10	8	0.0
May	67.7	+ 2.3	101	30	1.20	− 2.71	5	16	10	5	0.0
June	74.7	+ 0.8	103	41	4.67	+ 0.51	11	12	11	7	0.0
July	76.5	− 0.6	105	51	5.71	+ 1.52	9	13	11	7	0.0
August	76.9	+ 1.0	105	44	3.13	− 0.55	8	14	10	7	0.0
September	73.1	+ 2.5	99	34	1.16	− 1.72	5	18	8	4	0.0
October	64.0	+ 5.6	98	27	4.25	+ 1.55	11	12	8	11	0.0
November	46.0	− 0.4	85	9	2.80	− 0.59	8	14	8	11	T.
December	42.5	+ 4.6	72	11	2.80	− 1.03	8	8	8	15	T.
Annual means and extremes	57.6	+ 0.9	106	0	33.45	−11.75	97	151	101	113	3.4

*Compared with 53 years' normal.

NOTE—Tables and charts giving climatic data for Kentucky in detail during 1941 have been published for each month at the Kentucky section center, Weather Bureau Office, Louisville, Ky., and can be obtained from the Official in Charge at that office. Indexes to special articles published during past years in Kentucky climatological reports will be found in the Monthly Report for June, 1909.

W B O Louisville, 1-31-42-1250.

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